

# i-PRESTIGE



# 2020

## Annual Report

Research, Industrial Linkages and Alumni Division  
UiTM Cawangan Johor

UiTM *di hatiku*

Research, Industrial Linkages and Alumni Division  
Universiti Teknologi MARA Cawangan Johor  
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## ***ACKNOWLEDGEMENT***

A special appreciation is extended to the Rector of UiTM Cawangan Johor (UiTMCJ), Professor Dr. Ismail Ahmad and the Deputy Rector for the Research, Industrial Linkages and Alumni Division (PJI&A) of UiTMCJ, Associate Professor Dr. Saunah Zainon. Their constant support ensures that this Intellectual Prestige (i-PRESTIGE) 2020 could be efficaciously published.

A special acknowledgement also goes to all PJI&A coordinators and i-PRESTIGE 2020 committee members who were persistently committed in the different aspects and stages of compiling and publishing the annual report.

## **FOREWORD BY RECTOR**



In the name of Allah, the most Gracious and the most Merciful. May He grant blessings and peace to Prophet Muhammad (S.A.W.) and his family.

In the year of 2020, the COVID-19 pandemic has affected many aspects of life. For UiTM Cawangan Johor (UiTMCJ) especially, many activities, projects, and plans were postponed or had to be shifted to online mode. Not only that, students and lecturers went through Open and Distance Learning (ODL) for the first time, making them adjust to this new way of teaching and learning in a short period of time.

All praise be to Allah for despite the struggle, we managed to publish the third Intellectual Prestige (i-PRESTIGE) for the year 2020. i-PRESTIGE 2020 is a compilation and publication of reports from the different units under the Research, Industrial Linkages and Alumni Division (PJI&A) of UiTMCJ. Similar to our previous publications, it highlights the success and achievements of PJI&A of UiTMCJ in relation to research, publications, consultancy projects, innovations, entrepreneurship, community service and alumni activities. It is hoped that these summaries of activities for 2020 will generate more ideas and interests, and spark greater motivations, in the academia and upon other staffs, for a more successful and productive year 2021.

For their boundless energy and admirable commitment, I would like to congratulate the PJI&A team for successfully putting together the i-PRESTIGE 2020. And for all the other i-PRESTIGE 2020 committee members, my deepest appreciation for your hard work and diligence.



**PROF. DR. ISMAIL AHMAD**

*Rector*

Universiti Teknologi MARA Cawangan Johor

## ***FOREWORD BY DEPUTY RECTOR OF RESEARCH, INDUSTRIAL LINKAGES & ALUMNI***



Since 2018, the annual report of Research, Industrial Linkages & Alumni Division (BPJI&A), Universiti Teknologi MARA Cawangan Johor, known as i-PRESTIGE has published with annual publications. i-PRESTIGE 2020 is the third publication which compiles and showcases all activities, achievements and the success for the year amidst the Covid-19 pandemic. The third edition of this annual report would not have been possible without the energy, effort and expertise from the team. I am delighted to write this foreword because I really appreciate the efforts of teamwork by all the coordinators from Segamat and Pasir Gudang campuses and I want to thank you wholeheartedly for this excellent annual report.

I would also like to thank the Rector of UiTM Cawangan Johor, Professor Dr. Ismail Ahmad for his distinctive support, the Managing Editor for this issue, Aidarohani Samsudin as well as all the authors, reviewers, language editors and graphic designers and the support staffs from BPJI&A who have contributed in the publication of this issue.

I hope the readers find this annual report to be informative and useful, practical and relevant for their references. As always, I am grateful to all my family, friends and colleagues, whose encouragement means everything.

Thank you.



**ASSOCIATE PROF. DR. SAUNAH ZAINON**  
*Deputy Rector of Research, Industrial Linkages & Alumni*  
Universiti Teknologi MARA Cawangan Johor

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## **EDITORIAL BOARD**

### **PATRON**

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Siti Nordiyana Isahak

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Dr. Lee Siong Wee

Dr. Abdul Hadi Abdol Rahim @ Ibrahim

Mohammad Abdullah

Suhana Mohamed

Dr. Arni Munira Markom

### **LANGUAGE**

Puteri Nur Hidayah Kamaludin

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Zuraidah Sumery

Nur Syairah Rahim

Maryam Azizan

### **SECRETARIAT**

Norshahnadz Mohamed Ghulam

Nor Sakina Azlan

Nur Atiqah Abd. Hamid

### **GRAPHIC & TECHNICAL**

Nurul Amin Norudin

## ***LIST OF ABBREVIATIONS***

Digitalised International Invention, Innovation & Design	DIID
Fundamental Research Grants Scheme	FRGS
Industry, Community and Alumni Network	ICAN
Internet of Things	IoT
Malaysia Research Assessment	MyRA
Malaysian Academy of SME & Entrepreneurship Development	MASMED
Research, Industrial Linkages & Alumni	PJI&A
Research Management Unit	RMU
Research & Innovative Technology Competition	RITEC
Universiti Teknologi MARA	UiTM
Universiti Teknologi MARA Cawangan Johor	UiTM CJ



# 2020

*Annual Report of Research, Industrial Linkages & Alumni Division*

## 1. ORGANISATIONAL PROFILE

## SECTION 1 ORGANISATIONAL PROFILE

### 1.0 INTRODUCTION

The Research, Industrial Linkages & Alumni (PJI&A) Division of Universiti Teknologi MARA Cawangan Johor (UiTMCJ) operates according to the vision, mission, objectives, and policies set by UiTM.

### 1.1 ORGANISATIONAL BACKGROUND

PJI&A governance is chaired by the PJI&A Deputy Rector, Associate Professor Dr. Saunah Zainon who is assisted by a team of PJI&A Coordinators appointed for the year of 2020 as shown in Table 1.1.

Table 1.1 List of UiTMCJ PJI&A Coordinators 2020

#### Research Management Unit (RMU) – Segamat Campus

<b>Research</b>	<b>Dr. Juliana Mohamed Abdul Kadir</b>
<b>Innovation</b>	<b>Muhamad Ashaari Sukar</b>
<b>Consultancy</b>	<b>Nurulzulaiha Sa'udah @ Suhadak</b>
<b>Publication</b>	<b>Associate Professor Dr. Noriah Ismail</b>

#### Industry, Community, Alumni & Entrepreneurship Network (ICAN) – Segamat Campus

<b>Industry and Community Linkages</b>	<b>Aidarohani Samsudin</b>
<b>Alumni</b>	<b>Diana' Mazan</b>
<b>MASMED</b>	<b>Siti Nordiyana Isahak</b>

### RMU and ICAN – Pasir Gudang Campus

Research, Publication, Industry and Community Linkages, MASMED and Alumni	Ir. Ts. Azinoor Azida Abu Bakar
Innovation	Mohammad Abdullah
Research	Dr. Lee Siong Wee
Publication and Consultancy	Dr. Abdul Hadi Abdol Rahim @ Ibrahim
Industry,Community Linkages and Alumni	Suhana Mohamed
MASMED	Dr. Arni Munira Markom

The management of PJI&A UiTM CJ is also assisted by three (3) support personnel consisting of one (1) Executive Officer, Norshahnadz Mohamed Ghulam, one (1) Senior Administrative Assistants, Nor Sakina Azlan and one (1) Administrative Assistants, Nur Atiqah Abd. Hamid as shown in Fig. 1.1



Fig. 1.1 Organisational Chart of PJI&A UiTM CJ

# 2020

*Annual Report of Research, Industrial Linkages & Alumni Division*

2. RESEARCH

## SECTION 2 RESEARCH

### 2.0 INTRODUCTION

UiTMCJ has conducted a lot of research in previous years through internal and external grant applications. This has been a tradition for UiTMCJ for many years. Despite a challenge of Covid-19, UiTMCJ still managed to secure several grants in order to enrich the research culture.

### 2.1 GRANTS

There are seventy (70) projects funded by Internal Grants-BESTARI Grants Phase1, 2 and 3, and the collected amount is RM180,000.00 as shown in Table 2.1.4.

#### INTERNAL GRANTS – BESTARI GRANTS (PHASE 1/2020)

Table 2.1.1 List of BESTARI Grants Phase 1/2020 (G-BESTARI) received by Segamat and Pasir Gudang Campus

SEGAMAT CAMPUS					
NO.	HEAD RESEARCHER	MEMBERS	TITLE OF GRANT	PERIOD	AMOUNT (RM)
1.	Assoc. Prof. Dr. Noriah Ismail	i.Haryati Ahmad ii.Dr. Noor Sufiawati Khairani iii.Suhaidi Elias iv.Dr. Herlina Wati	An Analysis on the Effects of IQ-Analytical Writing Module Towards ESL Tertiary Students' Writing Apprehension and Skill	1 May 2020 - 30 Apr 2021	2,000.00
2.	Dr. Noor Sufiawati Khairani	i.Assoc. Prof. Dr. Noriah Ismail ii.Dr. Noraizah Abu Bakar iii.Emelin Abdul Wahid iv.Mohammad Zaki Razaly v.Prof. Tanti Handriana	Organisational Governance of Shariah Compliant Hotel: A Case within the Malaysian Hotel Industry	1 May 2020 - 30 Apr 2021	2,000.00

NO.	HEAD RESEARCHER	MEMBERS	TITLE OF GRANT	PERIOD	AMOUNT (RM)
3.	Assoc. Prof. Dr. Mohd Halim Kadri	i.Zarina Abu Bakar ii.Juyati Mohd Amin iii.Dr. Jeni Wardi	Property, Plant and Equipment, Asset Revaluation Reserve and Value Relevance: Evidence from Malaysia and Indonesia	1 May 2020 - 30 Apr 2021	2,000.00
4.	Dr. Faridah Najuna Misman	i.Dr. Roslina Hj. Mohamad Shafi ii.Assoc. Prof. Dr. Akmal Aini Othman iii.Dr. Bayu Arie Fianto	Risk and Benefits of an E-Wallet: Comparison between Early Adopters and Late Adopters in Malaysia and Indonesia	1 May 2020 - 30 Apr 2021	2,000.00
5.	Dr. Syaimak Ismail	i.Siti Noor Ain Aziz ii.Nurfarhana Mohd Daud iii.Munirah Zakaria iv.Mahasin Saja @ Mearaj v.Dr. Ardiansah	<i>Urus Tadbir Jabatan Agama Islam Negeri Johor (JAINJ) dalam Menangani Masalah Penularan Fahaman dan Ajaran Bertentangan Islam di Negeri Johor</i>	1 May 2020 - 30 Apr 2021	2,000.00
6.	Fairuz Husna Mohd Yusof	i.Siti Zarikh Sofiah Abu Bakar ii.Diana Othman iii.Dia Widyawati Amat iv.Zuraidah Sumery v.Haniza Sarijari vi.Dr. Alfiyatul Qomariyah	ESL Teaching: Preferences on the Use of E-Learning Apps in Maximising Effective Teaching and Learning Experiences for Open and Distance Learning (ODL)	1 May 2020 - 30 Apr 2021	2,000.00
7.	Mohamad Azwan Md Isa	i.Dr. Norashikin Ismail ii.Syamsyul Samsudin iii.Ruziah A. Latif iv.Dr. Rinayanti Rasyad	Sensitivity of Malaysian Banks' Stock Returns to Changes in Interest Rates and Exchange Rate: Evidence Based on the OLS and GARCH Models	1 May 2020 - 30 Apr 2021	2,000.00
8.	Assoc. Prof. Dr. Raja Adzrin Raja Ahmad	i.Noor Hidayah Ab Aziz ii.Assoc. Prof. Dr. Saunah Zainon iii.Shochrul Rochmatul Ajija	Strengthening Water Resource Management Model towards Establishing Resilient Water Services	1 May 2020 - 30 Apr 2021	2,000.00

NO.	HEAD RESEARCHER	MEMBERS	TITLE OF GRANT	PERIOD	AMOUNT (RM)
9.	Nur Syahidah Nordin	i.Assoc. Prof. Dr. Zamali Tarmudi ii.Nurulzulaiha Sa'udah @ Suhadak iii.Masyfu'ah Mokhtar iv.Dr. Anto Ariyanto	Analytical Network Process Based Representation Operations on Triangular Fuzzy Numbers for Supplier Selection Decision	1 May 2020 - 30 Apr 2021	2,000.00
10.	Ruziah A. Latif	i. Mohamad Azwan Md Isa ii. Zaibedah Zaharum iii. Ferri Bin Nasrul iv. Dr. Wisudanto	University Students' Intention towards Investment in Stock Market: A Two Countries Comparison	1 May 2020 - 30 Apr 2021	2,000.00
11.	Dr. Norashikin Ismail	i.Mohamad Azwan Md Isa ii.Nor Hadaliza Abdul Rahman iii.Dr. Nadia Anridho	Sustainability Performance using Environmental, Social and Governance (ESG) Scores: Evidence from Public Listed Companies in Malaysia	1 May 2020 - 30 Apr 2021	2,000.00
12.	Nur Liyana Mohamed Yousop	i. Wan Mohd Farid Wan Zakaria ii. Zuraidah Ahmad iii. Nur'asyiqin Ramdhan iv. Norhasniza Mohd Hasan Abdullah v. Dr. Sulistya Rusgianto	Lunar Effect: Analysis on Islamic Countries Stock Returns and Volatility	1 May 2020 - 30 Apr 2021	2,000.00
13.	Nurul Aien Abd Aziz	i.Mohd Hafizan Musa ii.Shaherah Abdul Malik iii.Rusnani Mohamad Khalid iv.Noreen Noor Abd Aziz v.Dr. Nurliana Nasution	A Study on Barriers Contributing to an Effective E-Learning Among Undergraduates' Students	1 May 2020 - 30 Apr 2021	2,000.00

NO.	HEAD RESEARCHER	MEMBERS	TITLE OF GRANT	PERIOD	AMOUNT (RM)
14.	Assoc. Prof. Dr. Nor Balkish Zakaria	i. Mohd Khairul Ariff Noh ii. Dr. Juliana Mohamed Abdul Kadir iii. Dr. Muhammad Rasyid Abdillah	Stranded Students' Emotional Challenges and Welfare Provided During COVID-19 Movement Control Order	1 May 2020 - 30 Apr 2021	2,000.00
15.	Noreen Noor Abd Aziz	i. Nadia Nurul Najwa Mohamad Hassan ii. Dr. Juliana Mohamed Abdul Kadir iii. Assoc. Prof. Dr. Nor Balkish Zakaria iv. Dr. Gancar Candra Premananto	The Role of Media on Attitude of Students During Movement Control Order of COVID-19 Pandemic	1 May 2020 - 30 Apr 2021	2,000.00

### PASIR GUDANG CAMPUS

NO.	HEAD RESEARCHER	MEMBERS	TITLE OF GRANT	PERIOD	AMOUNT (RM)
1.	Arbanah Muhammad	i. Nurul Hazwani Sabri ii. Adrina Roseira Abu Talip iii. Azmi Roslan iv. Norin Hafizah Abdul Rahim v. Dr. Agus Arsad (UTM)	Feasibility Study on Co-Pyrolyzation of Microplastic in Conventional Sewage Sludge for the Cementitious Application	1 May 2020 - 30 Apr 2021	2,000.00
2.	Dr. Zakiah Mohd Yusoff	i. Noorfadzilah Razali ii. Nur Dalila Khirul Ashar iii. Dr. Arni Munira Markom iv. Dr. Nurul Nadia Mohammad v. Amar Faiz Zainal Abidin (UTeM)	Development of Smart Scanner Trolley System for Intelligent Billing Solutions with Amalgamation of RFID and Internet of Thing (IoT)	1 May 2020 - 30 Apr 2021	2,000.00



NO.	HEAD RESEARCHER	MEMBERS	TITLE OF GRANT	PERIOD	AMOUNT (RM)
3.	Ts. Dr. Mohamad Farid Misnan	i. Ts. Zahari Abu Bakar ii. Dr. Muhammad Asraf Hairuddin iii. Ir. Dr. Norashikin M. Thamrin iv. Dr. Megat Syahirul Megat Amin v. Dr. Nik Nor Liyana Nik Ibrahim (UPM)	Development of Smart Scanner Trolley System for Intelligent Billing Solutions with Amalgamation of RFID and Internet of Thing (IoT)	1 May 2020 - 30 Apr 2021	2,000.00
4.	Mohd Ezwan Mahadan	i. Rozi Rifin ii. Rijalul Fahmi Mustapa iii. Muhammad Muzamil Mustam iv. Muhammad Amir Mat Shah v. Norhalida Othman vi. Jamaliah Salleh (UTM)	Interactive Water Level Control System Simulator Tool based on CX-Programmer and CX-Designer	1 May 2020 - 30 Apr 2021	2,000.00
5.	Nur Muizzah Nawi	i. Doris Asmani Mat Yusof ii. Nora Farina Mohd Halim iii. Nor Mayuze Mohamad iv. Siti Shahidah Sharipudin v. Dr. Haryati Awang (UMP)	Feasibility Study of Concrete Sludge of Batching Plant (CSBP) as Soil Stabilizer in Pavement Construction	1 May 2020 - 30 Apr 2021	2,000.00
6.	Ir. Ts. Azinoor Azida Abu Bakar	i. Azyan Zafyrah Mohd Zahid ii. Mohd Zulkhairi Mat Saleh iii. Nora Farina Abdul Halim iv. Dr. Mohd Faizal Md Jaafar (UMP)	The Correlation of Canopy Interception Loss to Water Scarcity for Water Security in Malaysia	1 May 2020 - 30 Apr 2021	2,000.00

NO.	HEAD RESEARCHER	MEMBERS	TITLE OF GRANT	PERIOD	AMOUNT (RM)
7.	Nor Mayuze Mohamad	i.Dr. Kay Dora Abd Ghani ii.Siti Shahidah Sharipudin iii.Nur Muizzah Naw iv.Shamilah Anudai @ Anuar (UNIMAP)	Potential of Bendable Concrete as Seismic Retrofitting	1 May 2020 - 30 Apr 2021	2,000.00
8.	Aznilinda Zainuddin	i.Munirah Onn ii.Mohd Ezwan Mahadan iii.Haikal Mustafa iv.Suhana Mohamed v.Ainain Nur Hanafi (UTeM)	IoT Voice Recognition System for Smart Electrical Device	1 May 2020 - 30 Apr 2021	2,000.00
9.	Salmi Nur Ain Sanusi	i.Siti Hajar Anaziah Muhamad ii.Sharifah Iziuna Sayed Jamaludin iii.Mohd Zaki Sukor iv.Dr. Wan Hasnidah Wan Osman (UMK)	Hazard Identification, Risk Assessment and Risk Control (HIRARC) Study in Pilot Plant, Faculty of Chemical Engineering, UiTM Pasir Gudang	1 May 2020 - 30 Apr 2021	2,000.00
10.	Dr. Nur Amalina Muhamad	i.Ezril Hisyam Mat Saat ii.Noor Hasliza Abdul Rahman iii.Norhalida Othman iv.Masmaria Abd Majid v.Norain Sahari (UTHM)	Small Scale IoT Based Energy Monitoring System	1 May 2020 - 30 Apr 2021	2,000.00
11.	Dr. Lee Siong Wee	i.Nadiyah Saari @ Ash'ari ii.Nor Mayuze Mohamad iii.Siti Shahidah Sharipudin iv.Dr. Nurharniza Abdul Rahman (INTI)	Behaviours of Engineered Cementitious Composite Beams under Bending Actions	1 May 2020 - 30 Apr 2021	2,000.00

NO.	HEAD RESEARCHER	MEMBERS	TITLE OF GRANT	PERIOD	AMOUNT (RM)
12.	Munirah Onn	i.Aznilinda Zainodin @ Zainuddin ii.Suhana Mohamed iii.Siti Mariam iv.Muhammad Iliyas v.Muhammad Asraf Hairuddin vi.Norin Hafizah Rahim vii.Prof. Dr. Mat Uzir Wahit (UTM)	Effective Microorganism (EM) Water-Based Anti Corrosion Paint	1 May 2020 - 30 Apr 2021	2,000.00
13.	Ts. Muhammad Muzamil Mustam	i.Mohd Ezwan Mahadan ii.Muhammad Zairil iii.Ts. Dr. Mohamad Farid Misnan iv.Dr. Nor Diyana Md Sin v.Dr. Mohd Hizwan Mohd Hisham (UTM)	Sustainable System of the Water Flow Monitoring by IoT Application: A Case Study in Taman Scientex Pasir Gudang	1 May 2020 - 30 Apr 2021	2,000.00
14.	Dr. Haryana Mohd Hairi	i.Dr. Nur Hazirah Rozali Annuar ii.Siti Nor Hafiza Mohd Yusoff iii.Asmawati @ Fatin Najihah Alias iv.Dr. Rohayu Mohd Yunos v.Dr. Muhammad Safwan Abd Aziz (UTM)	Refractive Index Modification of Chromium Oxide Coated Silica Optical Fiber	1 May 2020 - 30 Apr 2021	2,000.00
15.	Noor Hidayu Abdul Rani	i.Nor Fadilah Mohamad ii.Noorhaliza Aziz iii.Dr. Nurul Suhada Ab Rasid (UTM)	Pineapple Wastes as the Source of Bromelain Enzyme for Meat Tenderizer	1 May 2020 - 30 Apr 2021	2,000.00
	<b>TOTAL</b>				<b>60,000.00</b>

## INTERNAL GRANTS – BESTARI GRANTS (PHASE 2/2020)

Table 2.1.2 List of BESTARI Grants Phase 2/2020 (G-BESTARI) received by Segamat and Pasir Gudang Campus

SEGAMAT CAMPUS					
NO.	HEAD RESEARCHER	MEMBERS	TITLE OF GRANT	PERIOD	AMOUNT (RM)
1.	Dr. Basri Badyalina	i.Dr. Muhammad Majid ii.Dr. Mohamad Faizal Ramli iii.Dr. Nurkhairany Amyra Mokhtar iv.Muhammad Yassar Yusri	A Hybrid Group Method of Data Handling Model and Artificial Bee Colony Algorithm for Flood Quantile Prediction in Peninsular Malaysia	1 Jul 2020 - 30 Jun 2021	2,500.00
2.	Dr. Mohamad Faizal Ramli	i.Dr. Muhammad Majid ii.Dr. Basri Badyalina iii.Dr. Fatin Farazh Ya'acob	Issues in the Commercialisation of Research Findings Among Researchers	1 Jul 2020 - 30 Jun 2021	2,500.00
3.	Dr. Muhammad Majid	i.Dr. Mohamad Faizal Ramli ii.Dr. Basri Badyalina iii.Dr. Ahmad Faiz Ghazali iv.Dr. Fatin Farazh Ya'acob	Exploring Locals' Readiness towards Waste Segregation Behavior in Selected Residential Areas in Segamat, Johor	1 Jul 2020 - 30 Jun 2021	2,500.00
4.	Dr. P. Siva Shamala Palaniappan	i.Muruga Chinniah i.Dr. Kerk Lee Chang ii.Dr. Nurkhairany Amyra Mokhtar iii.Dr. Tan Yan Ling iv.Dr. Nurul Badriyah Ali	Cyberbullying Detection Framework using Machine Learning Techniques in Social Network Environment	1 Jul 2020 - 30 Jun 2021	2,500.00

<b>NO.</b>	<b>HEAD RESEARCHER</b>	<b>MEMBERS</b>	<b>TITLE OF GRANT</b>	<b>PERIOD</b>	<b>AMOUNT (RM)</b>
5.	Ts. Nur Huda Jaafar	i.Ts. Dr. Rashidah Mokhtar ii.Zuriati Ismail @ Khori iii.Mohd Hafizan Musa	The Effectiveness Analysis of Instilling Sincerity Behaviour in Software Agent Environment during Performing Tasks	1 Jul 2020 - 30 Jun 2021	2,500.00
6.	Dr. Fatin Farazh Ya'acob	i.Dr. Nurkhairany Amyra Mokhtar ii.Dr. Mohamad Zaim Ismail iii.Dr. Mohamad Faizal Ramli iv.Dr. Muhammad Majid	The Impact of COVID-19 to Malaysian EBN Trade	1 Jul 2020 - 30 Jun 2021	2,500.00
7.	Dr. Kerk Lee Chang	i.Dr. P. Siva Shamala ii.Dr. Nurkhairany Amyra Mokhtar iii.Dr. Lau Gee Choon iv.Dr. Shamsatun Nahar Ahmad	Using a Trust-Region Based Global Optimization Method in Minimizing Portfolio Selection Risk	1 Jul 2020 - 30 Jun 2021	2,500.00
8.	Dr. Nurkhairany Amyra Mokhtar	i. Dr. Basri Badyalina ii. Dr. P. Siva Shamala Palaniappan iii. Dr. Kerk Lee Chang iv. Dr. Fatin Farazh Ya'acob v. Dr. Ahmad Faiz Ghazali	Modelling Wind Behaviour of Attraction Spot in Malaysia using Functional Relationship with Von Mises Distribution	1 Jul 2020 - 30 Jun 2021	2,500.00
9.	Wan Mohd Farid Wan Zakaria	i. Nur Liyana Mohamed Yousop ii. Sharazad Haris iii. Wan Muhd Faez Wan Ibrahim iv. Syed Khusairi Tuan Azam	Hungry Ghost Festival: Empirical Analysis of Selected Asian Stock Market Return	1 Jul 2020 - 30 Jun 2021	2,500.00

NO.	HEAD RESEARCHER	MEMBERS	TITLE OF GRANT	PERIOD	AMOUNT (RM)
10.	Noraishah Kamarol Zaman	i.Hairiani Abdul Hamid ii.Zurina Omar iii.Rohani Jangga	Database Marketing as a Tool for Tracing Customers' Loyalty in Fashion Industry	1 Jul 2020 - 30 Jun 2021	2,500.00
11.	Dr. Ahmad Faiz Ghazali	i.Assoc. Prof. Dr. Nor Balkish Zakaria ii.Dr. Nurkhairany Amyra Mokhtar iii.Dr. Muhammad Majid iv.Yusnita Sokman v.Dr. Rahmawati Mohd Yusoff	Data Mining and Decision-Making Processes in Malaysia During Post-COVID-19 Pandemic: Towards Managing Retrenchment, Unemployment and Crime using Education (Face-To-Face and Online Distance Learning)	1 Jul 2020 - 30 Jun 2021	2,500.00
12.	Dr. Syazwani Abd Rahim	i.Ahmad Nawawi Yaakob ii.Munirah Zakaria iii.Nurfarhana Mohd Daud	Sukuk Investment: Efficiency of Global Sukuk Indices (Based on Tenures and Sukuk Ratings) Following the 2008 Global Financial Crisis	1 Jul 2020 - 30 Jun 2021	2,500.00
13.	Dr. Nurul Badriyah Ali	i.Mohamad Zaki Razaly ii.Mahasin Saja @ Mearaj iii.Nazrudin Hashim	Online Learning in Higher Education During COVID19 Pandemic from Islamic Concept of Knowledge Perspective	1 Jul 2020 - 30 Jun 2021	2,500.00
14.	Jannah Munirah Mohd Noor	i.Nur Eyliawati Japelus ii.Nurulashikin Romli iii.Nurhafizah Azizan iv.Aflah Isa	A Study on Factor Supply Chain Risk Management (SCRM) in Operations Disruptions during Movement Control Order (MCO) COVID-19 Among the Food & Beverage SMEs in Segamat, Johor	1 Jul 2020 - 30 Jun 2021	2,500.00

NO.	HEAD RESEARCHER	MEMBERS	TITLE OF GRANT	PERIOD	AMOUNT (RM)
15.	Dr. Rahmawati Mohd Yusoff	i.Zuramaznum Sainan ii.Alizah Ali iii.Noraini Ismail iv.Dr. Ahmad Faiz Ghazali	The Administration of Bona Vacantia (Ownerless Estate) in Johor: A Socio-Legal Analysis	1 Jul 2020 - 30 Jun 2021	2,500.00
16.	Norintan Wahab	i.Siti Mariam Atan ii.Rosnani Mohd Salleh iii.Dr. Rahmawati Mohd Yusoff iv.Zulhazmi Yusof v.Nurul Akmal Adnan	The Sustainability and Management of Waqf's Properties in Johor: An Analysis	1 Jul 2020 - 30 Jun 2021	2,500.00
17.	Khairunnisa Rahman	i.Muharratul Sharifah Shaikh Alaudeen ii.Farizah Mamat @ Mohd Nor iii.Roha Mohamed Noah	The Role of Personal Characteristics towards Student's Innovative Behavior in Public Higher Learning Institution in Southern Region of Malaysia	1 Jul 2020 - 30 Jun 2021	2,500.00
18.	Dr. Mohamad Zaim Ismail	i.Dr. Fatin Farazh Ya'acob ii.Nurfarhana Mohd Daud iii.Munirah Zakaria iv.Siti Noor Ain Aziz v.Assoc.Prof. Zaluiddin Sulaiman	<i>Implikasi Moratorium ke atas Pelanggan Kewangan Islam</i>	1 Jul 2020 - 30 Jun 2021	2,500.00
19.	Nur Eyliawati Japelus	i.Dr. Noraizah Abu Bakar ii.Jannah Munirah Mohd Noor iii.Mas Ervina Samsuddin iv.Syed Khusairi Tuan Azam	Exploratory Studies on Strategy and Accountability in Segamat School Co-Operatives Region	1 Jul 2020 - 30 Jun 2021	2,500.00

NO.	HEAD RESEARCHER	MEMBERS	TITLE OF GRANT	PERIOD	AMOUNT (RM)
20.	Sofwah Md. Nawi	i. Puteri Nur Hidayah Kamaludin ii. Suhaili Mohd Yusof iii. Noridah Sain	"Are You Here?": Exploring Students' Engagement & Disengagement in ODL	1 Jul 2020 - 30 Jun 2021	2,500.00

PASIR GUDANG CAMPUS					
NO.	HEAD RESEARCHER	MEMBERS	TITLE OF GRANT	PERIOD	AMOUNT (RM)
1.	Nor Fadilah Mohamad	i. Noor Hidayu Abdul Rani ii. Noorhaliza Aziz iii. Sharifah Iziuna Sayed Jamaludin	Synthesis and Characterization of Amine Impregnated Coal Bottom Ash as a Potential Adsorbent for Carbon Dioxide (CO <sub>2</sub> ) Capture	1 Aug 2020 - 31 Jul 2021	2,500.00
2.	Mazni Mat Zin	i. Noorashiekin Khalid ii. Azyan Zafyrah Mohd Zahid iii. Nadia Zalikha Saifullizam iv. Wansyarizawan Wan Chik v. Siti Farahin Kamaruddin	Microplastics (MPs) Uptake in Farmed and Wild Green Mussel ( <i>Perna Viridis</i> )	1 Aug 2020 - 31 Jul 2021	2,500.00
3.	Nora Farina Mohd Halim	i. Ir. Ts. Azinoor Azida Abu Bakar ii. Azyan Zafyrah Mohd Zahid iii. Mohd Zulkhairi Mat Salleh	The Impact of COVID-19 Movement Control Order (MCO) to Air Quality in Malaysia	1 Aug 2020 - 31 Jul 2021	2,500.00



NO.	HEAD RESEARCHER	MEMBERS	TITLE OF GRANT	PERIOD	AMOUNT (RM)
4.	Dr. Siti Hazurah Indera Putera	i.Nur Iqtiyani Ilham ii.Dr. Nur Amalina Muhamad iii.Norbaiti Sidik	Towards Non-Invasive Mapping of Internal Conductivity Distribution using Electrical Impedance Tomography	1 Aug 2020 - 31 Jul 2021	2,500.00
5.	Siti Nurul 'ain Hj. Zaiton	i.Hairul Amiza Azman ii.Munirah Onn iii.Mohd Haikal Mustafa	Formulation of Jaundice Herbal Soap Containing Averrhoa Bilimbi Leaf and Flos Loniceareae by Saponification Method	1 Aug 2020 - 31 Jul 2021	2,500.00
6.	Dr. Aminabibi Saidalvi	i.Nursyuhada Zakaria ii.Nurul Nadiah Rasdi iii.Sharifah Amani Syed Abdul Rahman iv.Nadzrah Sa'adan	Students' Perception of Online Distance Learning (ODL) Mode during COVID-19 Pandemic at UiTM Johor	1 Aug 2020 - 31 Jul 2021	2,500.00
7.	Norhisyam Jenal	i.Siti Aishah Taib ii.Dr. Kamariah Md. Isa iii.Ahmad Hilmi Khalid iv.Wan Muhammad Syahmi Wan Fauzi v.Nurul Nadiah Rasdi	Synchronous and Asynchronous Video Laboratory: Which One is Better in ODL Classrooms?	1 Aug 2020 - 31 Jul 2021	2,500.00
8.	Masmaria Abdul Majid	i.Dr. Nurhani Kasuan ii.Dr. Nur Amalina Muhamad iii.Norhalida Othman iv.Noor Hafizah Khairul Anuar v.Nur Dalila Khirul Asrar vi.Dr. Muhammad Asraf Hairuddin	Finite-Dimensional Identification Modeling of Impressed Current Cathodic Protection (ICCP) System	1 Aug 2020 - 31 Jul 2021	2,500.00
9.	Dr. Mohd Rilizam Rosli	i.Mohd Ali Mohamad Don ii.Mohd Farhan Ahmad iii.Mohd Shukri Mohd Senin	<i>Potensi Agihan Zakat terhadap Asnaf Ar-Riqab; Kajian Kes di Pusat Pelindungan Wanita Majlis Agama Islam Negeri Johor</i>	1 Aug 2020 - 31 Jul 2021	2,500.00

NO.	HEAD RESEARCHER	MEMBERS	TITLE OF GRANT	PERIOD	AMOUNT (RM)
10.	Dr. Nurul Nadia Mohammad	i. Dr. Zakiah Mohd Yusoff ii. Shahidah Sadimin iii. Ts. Dr. Mohamad Farid Misnan iv. Dr. Nurhani Kasuan v. Ts. Siti Aminah Nordin	Development of Internet of Things (IoT) Based System for Flood Monitoring and Alerting	1 Aug 2020 - 31 Jul 2021	2,500.00
11.	Adrina Rosseira Abu Talip	i. Herda Balqis Ismail ii. Muhammad Bazli Faliq Mohd Puaad iii. Arbanah Muhammad	Potential Application of Concrete with Timber Pozzolanic Material Composition	1 Aug 2020 - 31 Jul 2021	2,500.00
12.	Mohamed Khatif Tawaf Mohamed Yusof	i. Shahrul Nizam Mohammad ii. Azmi Roslan iii. Siti Shahidah Sharipudin iv. Ilya Izyan Shahrul Azhar v. Nurul Amilin Zainal Abidin	Feasibility Study of Palm Oil Boiler Ash (POBA) as a Partial Replacement of Sand in Foam Concrete	1 Aug 2020 - 31 Jul 2021	2,500.00
13.	Noorhaliza Aziz	i. Noor Hidayu Abdul Rani ii. Nor Fadilah Mohamad iii. Sharifah Iziuna Sayed Jamaludin	Biogas Production from Kitchen Waste via Anaerobic Batch Digester	1 Aug 2020 - 31 Jul 2021	2,500.00
14.	Ts. Zahari Abu Bakar	i. Ts. Dr. Mohamad Farid Misnan ii. Ezril Hisham Mat Saat iii. Ts. Kamaru Adzha Kadiran iv. Mastura Omar v. Wan Suhaifiza Wan Ibrahim	Real-Time Wireless Monitoring System for Sustainable Vertical Aquaponic Gardening System using Embedded Controller	1 Aug 2020 - 31 Jul 2021	2,500.00
15.	Nor Ain Abu Samah	i. Nurul Hazwani Sabri ii. Nor Hafini Hambali iii. Sharifah Iziuna Sayed Jamaludin iv. Siti Hajar Anaziah Muhammad	Mini-Pilot Scale Reactor Design for Production of Fermentable Sugars from Empty Fruit Bunch	1 Aug 2020 - 31 Jul 2021	2,500.00

NO.	HEAD RESEARCHER	MEMBERS	TITLE OF GRANT	PERIOD	AMOUNT (RM)
16.	Ainaa Maya Munira Ismail	i.Ts. Dr. Zurriati Mohd Ali ii.Dr. Kamariah Md Isa iii.Ts. Mohammad Abdullah	Study on Potentiality of Power Generation through Exhaust Air Energy Recovery Wind Turbine Generator	1 Aug 2020 - 31 Jul 2021	2,500.00
	<b>TOTAL</b>				<b>90,000.00</b>

### INTERNAL GRANTS – BESTARI GRANTS (PHASE 3/2020)

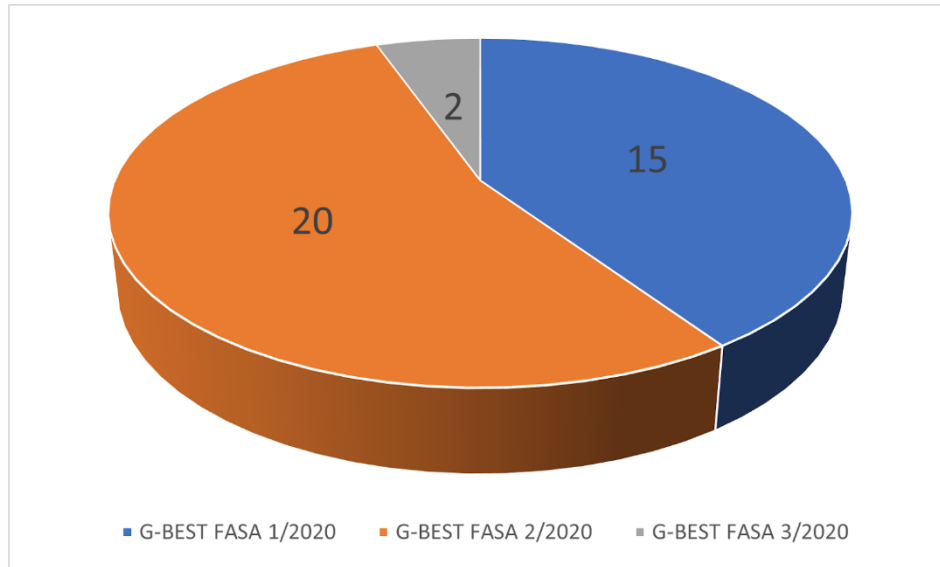
Table 2.1.3 List of BESTARI Grants Phase 3/2020 (G-BESTARI) received by Segamat and Pasir Gudang Campus

SEGAMAT CAMPUS					
NO.	HEAD RESEARCHER	MEMBERS	TITLE OF GRANT	PERIOD	AMOUNT (RM)
1.	Ts. Dr. Rashidah Mokhtar	i.Ts. Nur Huda Jaafar ii.Ts. Dr. Siti Hajar Othman iii.Rohaizan Ramlan iv.Mardziyana Mohamad Malom v.Dr. Meor Rashydan Abdullah	Developing a Framework of Technical and Vocational Education and Training (TVET) for Producing a Competitive Workforce	6 Dec 2020 - 5 Jun 2022	5,000.00
2.	Assoc. Prof. Dr. Rahimah Mohamed Yunos	i.Assoc. Prof. Dr. Syahrul Ahmar Ahmad ii.Fatimah Hashim iii.Dr. Siti Masnah Saringat iv.Noreen Noor Abd Aziz	Modelling Female Leadership and Career Advancement among Graduates from Malaysia Higher Learning Institutions	6 Dec 2020 - 5 Jun 2022	5,000.00

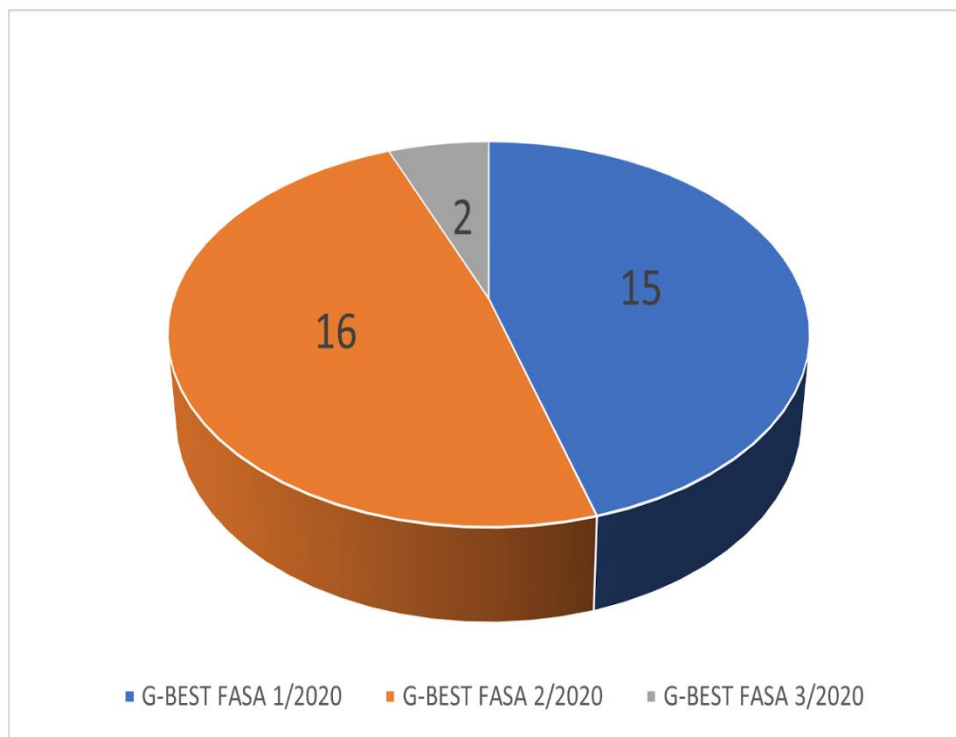
<b>PASIR GUDANG CAMPUS</b>					
<b>NO.</b>	<b>HEAD RESEARCHER</b>	<b>MEMBERS</b>	<b>TITLE OF GRANT</b>	<b>PERIOD</b>	<b>AMOUNT (RM)</b>
1.	Dr. Mohamad Rohaidzat Mohamed Rashid	i.Dr. Mohd Amran Hasbullah ii.Dr. Mohd Syahrul Hisyam Mohd Sani iii.Dr. Shah Rizal Kasim iv.Mohd Johan Mohamed Ibrahim v.Mohd Zulkhairi Mat Salleh	Phenomenology of Mechanical Behavior of Geopolymer Mortar Incorporate with Sago Pith Waste Ash	6 Dec 2020 - 5 Jun 2021	10,000.00
2.	Khairul Kamarudin Hasan	i.Dr. Mohamad Zhafran Hussin ii.Dr. Nor Diyana Md Sin iii.Dr. Mohamad Farid Misnan iv.Mohd Sufian Ramli v.Siti Sufiah Abd Wahid	New Tuning Frequency Technique Capacitive Power Transfer of Electrical Parameter in Efficient Class-E LCCL	6 Dec 2020 - 5 Jun 2021	10,000.00
	<b>TOTAL</b>				<b>30,000.00</b>

Table 2.1.4 Summary of Grants received by UiTMCJ in 2020

<b>No.</b>	<b>Grants</b>	<b>Number of Grants</b>		<b>Amount (RM)</b>
		<b>Segamat</b>	<b>Pasir Gudang</b>	
1.	BESTARI FASA 1/2020	15	15	60,000.00
2.	BESTARI FASA 2/2020	20	16	90,000.00
3.	BESTARI FASA 3/2020	2	2	30,000.00
	<b>TOTAL</b>			<b>180,000.00</b>



**Fig 2.1.1 Grants received by UiTMCJ Segamat Campus in 2020**



**Fig 2.1.2 Grants received by UiTMCJ Pasir Gudang Campus in 2020**

# 2020

*Annual Report of Research, Industrial Linkages & Alumni Division*

3. CONSULTANCY

## SECTION 3 CONSULTANCY

### 3.0 INTRODUCTION

Consultancy is one of the paths for UiTM CJ staff to share their expertise, knowledge and skills with others. It is also an important aspect for UiTM to cultivate their staff with ethics of caring and professionalism.

### 3.1 CONSULTANCY PROJECTS

A total of 94 consultancy projects are registered at UiTM CJ. Segamat Campus has conducted 72 projects while the remaining 22 projects are from Pasir Gudang Campus as listed in Table 3.1.1 – 3.1.2.

Table 3.1.1 List of Consultancy projects for Segamat Campus

NO.	HEAD CONSULTANT	FACULTY	TITLE/PROJECT	AMOUNT (RM)
1.	Ahmad Kamarulzaman Othman	Faculty of Computer and Mathematical Sciences	<i>Seminar Kelas Bela Diri - Kelab Seni Silat Sendeng (Siri 1/2020)</i>	160.00
2.	Ahmad Kamarulzaman Othman	Faculty of Computer and Mathematical Sciences	<i>Seminar Kelas Bela Diri - Kelab Seni Silat Sendeng (Siri 2/2020)</i>	120.00
3.	Nor Ezan Omar	Faculty of Information Management	<i>Panel Penasihat Perpustakaan Sultan Ismail</i>	150.00
4.	Puteri Nur Hidayah Kamaludin	Academy of Language Studies	<i>Pemeriksa Kertas Soalan English Exit Test (EET699) Sesi (20194) untuk Komponen Writing &amp; Speaking</i>	340.00
5.	Dr. Shamsatun Nahar Ahmad	Faculty of Computer and Mathematical Sciences	<i>Tenaga Pengajar Kelas Tambahan Akademik Pertubuhan Kebajikan Anak-Anak Yatim Islam Daerah Segamat</i>	50.00
6.	Dr. Noraizah Abu Bakar	Faculty of Accountancy	<i>Perjumpaan Mentor Mentee Ph.inished@Johor</i>	50.00

NO.	HEAD CONSULTANT	FACULTY	TITLE/PROJECT	AMOUNT (RM)
7.	Dr. Noraizah Abu Bakar	Faculty of Accountancy	<i>Perjumpaan Mentor Mentee Ph.inished@Johor</i>	50.00
8.	Dr. Noraizah Abu Bakar	Faculty of Accountancy	<i>Perjumpaan Mentor Mentee Ph.inished@Johor</i>	50.00
9.	Assoc. Prof. Dr. Saunah Zainon	Faculty of Accountancy	<i>Perjumpaan Mentor Mentee Ph.inished@Johor</i>	50.00
10.	Dr. Noraizah Abu Bakar	Faculty of Accountancy	<i>Perjumpaan Mentor Mentee Ph.inished@Johor</i>	50.00
11.	Dr. Noraizah Abu Bakar	Faculty of Accountancy	<i>Perjumpaan Mentor Mentee Ph.inished@Johor</i>	50.00
12.	Dr. Nurul 'Aini Harun	Faculty of Computer and Mathematical Sciences	<i>Perjumpaan Mentor Mentee Ph.inished@Johor</i>	50.00
13.	Dr. Noraizah Abu Bakar	Faculty of Accountancy	<i>Perjumpaan Mentor Mentee Ph.inished@Johor</i>	50.00
14.	Assoc. Prof. Dr. Rahimah Mohamed Yunos	Faculty of Accountancy	<i>Perjumpaan Mentor Mentee Ph.inished@Johor</i>	50.00
15.	Nurulzulaiha Sa'udah @ Suhadak	Faculty of Computer and Mathematical Sciences	<i>Program Kelas Tambahan bagi Anak-anak Yatim PKAYIS 2020</i>	50.00
16.	Ahmad Fuzi Md Ajis	Faculty of Information Management	<i>Penceramah Wisdom Net Talk: Transformative Learning</i>	100.00
17.	Ahmad Fuzi Md Ajis	Faculty of Information Management	<i>Penceramah Training of Trainer E-Commerce (ToT2)</i>	300.00
18.	Ahmad Fuzi Md Ajis	Faculty of Information Management	<i>Penceramah Siri Webinar MASMED, UiTM Cawangan Johor</i>	600.00
19.	Assoc. Prof. Dr. Noriah Ismail	Academy of Language Studies	<i>Program Kelas Tambahan bagi Anak-anak Yatim PKAYIS 2020</i>	50.00



NO.	HEAD CONSULTANT	FACULTY	TITLE/PROJECT	AMOUNT (RM)
20.	Assoc. Prof. Dr. Noriah Ismail	Academy of Language Studies	<i>Pemeriksa English Exit Test (EET699) Sesi (20194) APB</i>	390.00
21.	Assoc. Prof. Dr. Noriah Ismail	Academy of Language Studies	<i>Program Kelas Tambahan bagi Anak-anak Yatim PKAYIS 2020</i>	50.00
22.	Mohd Izuan Ismail	Academy of Language Studies	<i>Program Kelas Tambahan bagi Anak-anak Yatim PKAYIS 2020</i>	50.00
23.	Puteri Nur Hidayah Kamaludin	Academy of Language Studies	<i>Program Kelas Tambahan bagi Anak-anak Yatim PKAYIS 2020</i>	50.00
24.	Ts. Dr. Rashidah Mokhtar	Faculty of Computer and Mathematical Sciences	<i>Panel Penilai Akreditasi Sementara</i>	500.00
25.	Jannah Munirah Md Noor	Faculty of Business and Management	<i>Project Certification Beautification Beautician for Single Mothers 2016</i>	341.85
26.	Jannah Munirah Md Noor	Faculty of Business and Management	<i>Home Based Cosmetology Specialist (HOB COS) MASMED</i>	1,709.75
27.	Jannah Munirah Md Noor	Faculty of Business and Management	<i>Projek Belia Nurseri Sawit Keusahawanan Sosial (MUSE) MASMED</i>	1,500.00
28.	Nor Siti Khadijah Arunah	Faculty of Computer and Mathematical Sciences	<i>Tenaga Pengajar Kelas Tambahan Akademik Pertubuhan Kebajikan Anak-Anak Yatim Islam Daerah Segamat</i>	50.00
29.	Jannah Munirah Md Noor	Faculty of Business and Management	<i>Project Certification Palm Oil Agribusiness Nursery for Youth</i>	1,341.75
30.	Mohd Zainodin Mustafa	Academy of Contemporary Islamic Studies	<i>Penceramah Kuliah Maghrib di Masjid Taman Yayasan</i>	50.00
31.	Mohd Zainodin Mustafa	Academy of Contemporary Islamic Studies	<i>Panel Kuliah-kuliah Pengajian di Madrasah Ibnu Mas'ud</i>	50.00
32.	Mohd Zainodin Mustafa	Academy of Contemporary Islamic Studies	<i>Penceramah Kuliah Maghrib di Surau At-Taqwa</i>	50.00

NO.	HEAD CONSULTANT	FACULTY	TITLE/PROJECT	AMOUNT (RM)
33.	Mohd Zainodin Mustaffa	Academy of Contemporary Islamic Studies	<i>Penceramah Kuliah Maghrib di Masjid Syed Alwi Batu Anam</i>	50.00
34.	Mohd Zainodin Mustaffa	Academy of Contemporary Islamic Studies	<i>Penceramah Kuliah Maghrib di Masjid Kampung Sermin</i>	50.00
35.	Nor Siti Khadijah Arunah	Faculty of Computer and Mathematical Sciences	<i>Tenaga Pengajar Kelas Tambahan Akademik Pertubuhan Kebajikan Anak-Anak Yatim Islam Daerah Segamat</i>	50.00
36.	Nor Ezan Omar	Faculty of Information Management	<i>Perunding Kerja-Kerja Sejarah Lisan Mantan Datuk Bandar Majlis Bandaraya Johor Bahru</i>	1,000.00
37.	Siti Noorsiah Jamaludin	Faculty of Information Management	<i>Perunding Kerja-Kerja Sejarah Lisan Mantan Datuk Bandar Majlis Bandaraya Johor Bahru</i>	1,000.00
38.	Dr. Shamsatun Nahar Ahmad	Faculty of Computer and Mathematical Sciences	<i>Tenaga Pengajar Kelas Tambahan Akademik Pertubuhan Kebajikan Anak-Anak Yatim Islam Daerah Segamat</i>	50.00
39.	Assoc. Prof. Dr. Saunah Zainon	Faculty of Accountancy	<i>Juri Pertandingan Mewarna, Teka Silangkata, Kuiz, Kemahiran dan Pengetahuan Bahasa Melayu</i>	100.00
40.	Dr. Shamsatun Nahar Ahmad	Faculty of Computer and Mathematical Sciences	<i>Juri Pertandingan Mewarna, Teka Silangkata, Kuiz, Kemahiran dan Pengetahuan Bahasa Melayu</i>	100.00
41.	Siti Nordiyana Isahak	Faculty of Business and Management	<i>Penceramah Kursus Keusahawanan di Koperasi Permodalan Melayu Negeri Johor</i>	200.00
42.	Mohd Izuan Ismail	Academy of Language Studies	<i>Program Kelas Tambahan bagi Anak-anak Yatim PKAYIS 2020</i>	50.00
43.	Ustaz Mohamad Zaki Razaly	Academy of Contemporary Islamic Studies	<i>Penceramah untuk Slot Kuliah Maghrib Sempena Kuliah Kerohanian Pra Diploma 2020</i>	100.00

NO.	HEAD CONSULTANT	FACULTY	TITLE/PROJECT	AMOUNT (RM)
44.	Ustaz Mohamad Zaki Razaly	Academy of Contemporary Islamic Studies	<i>Panel Kuliah-kuliah Pengajian di Madrasah Ibnu Mas'ud</i>	500.00
45.	Nurulzulaiha Sa'udah @ Suhadak	Faculty of Computer and Mathematical Sciences	<i>Program Kelas Tambahan bagi Anak-anak Yatim PKAYIS 2020</i>	50.00
46.	Nurulzulaiha Sa'udah @ Suhadak	Faculty of Computer and Mathematical Sciences	<i>Program Kelas Tambahan bagi Anak-anak Yatim PKAYIS 2020</i>	50.00
47.	Ustaz Sidek Abdullah	Academy of Contemporary Islamic Studies	<i>Panel Kuliah-kuliah Pengajian di Madrasah Ibnu Mas'ud</i>	50.00
48.	Assoc. Prof. Zaluudin Sulaiman	Academy of Contemporary Islamic Studies	<i>Panel Penasihat Syariah Agensi Muhammad Mahfuz Kafalah</i>	250.00
49.	Nurulzulaiha Sa'udah @ Suhadak	Faculty of Computer and Mathematical Sciences	<i>Fasilitator Bengkel Penetapan Matlamat: Vision Board</i>	50.00
50.	Syed Khusairi Tuan Azam	Faculty of Accountancy	<i>Fasilitator Bengkel Penetapan Matlamat: Vision Board</i>	50.00
51.	Syed Khusairi Tuan Azam	Faculty of Accountancy	<i>Fasilitator Program Pertandingan Mewarna, Teka Silangkata, Kuiz, Kemahiran dan Pengetahuan Bahasa Melayu</i>	50.00
52.	Syed Khusairi Tuan Azam	Faculty of Accountancy	<i>Tenaga Pengajar Kelas Tambahan Akademik Pertubuhan Kebajikan Anak-anak Yatim Islam Daerah Segamat</i>	50.00
53.	Ustaz Nazrudin Hashim	Academy of Contemporary Islamic Studies	<i>Panel Kuliah-kuliah Pengajian di Madrasah Ibnu Mas'ud</i>	250.00
54.	Assoc. Prof. Dr. Saunah Zainon	Faculty of Accountancy	<i>Juri Pemilihan Logo Pasukan Tercantik di Segamat - Sepak Takraw League (SSTL) 2020/2021</i>	100.00

NO.	HEAD CONSULTANT	FACULTY	TITLE/PROJECT	AMOUNT (RM)
55.	Norfizah Othman	Faculty of Accountancy	<i>Juri Pemilihan Logo Pasukan Tercantik di Segamat - Sepak Takraw League (SSTL) 2020/2021</i>	100.00
56.	Siti Nordiyana Isahak	Faculty of Business and Management	<i>Juri Pemilihan Logo Pasukan Tercantik di Segamat - Sepak Takraw League (SSTL) 2020/2021</i>	100.00
57.	Nurulzulaiha Sa'udah @ Suhadak	Faculty of Computer and Mathematical Sciences	<i>Program Kelas Tambahan bagi Anak-Anak Yatim PKAYIS 2020</i>	50.00
58.	Dia Widyawati Amat	Academy of Language Studies	<i>Program Kelas Tambahan bagi Anak-Anak Yatim PKAYIS 2020</i>	50.00
59.	Dia Widyawati Amat	Academy of Language Studies	<i>Program Kelas Tambahan bagi Anak-Anak Yatim PKAYIS 2020</i>	50.00
60.	Dia Widyawati Amat	Academy of Language Studies	<i>Program Kelas Tambahan bagi Anak-Anak Yatim PKAYIS 2020</i>	50.00
61.	Dia Widyawati Amat	Academy of Language Studies	<i>Program Kelas Tambahan bagi Anak-Anak Yatim PKAYIS 2020</i>	50.00
62.	Siti Zariikh Sofiah Abu Bakar	Academy of Language Studies	<i>Program Kelas Tambahan bagi Anak-Anak Yatim PKAYIS 2020</i>	50.00
63.	Siti Zariikh Sofiah Abu Bakar	Academy of Language Studies	<i>Program Kelas Tambahan bagi Anak-Anak Yatim PKAYIS 2020</i>	50.00
64.	Nazrudin Hashim	Academy of Contemporary Islamic Studies	<i>Penceramah Kursus Umrah 1442H/2020M</i>	500.00
65.	Dr. Siti Nuur-Ila Mat Kamal	Faculty of Information Management	<i>Juri Pertandingan Program Innovation Challenge and Showcase Day (InCaSD Vol: 3/2020)</i>	100.00
66.	Nazrudin Hashim	Academy of Contemporary Islamic Studies	<i>Penceramah Kuliah Agama Masjid Jannatul Firdaus</i>	500.00
67.	Mohammad Nazri Ali	Faculty of Computer and Mathematical Sciences	<i>Penceramah Kursus Asas Keusahawanan</i>	50.00
68.	Mohammad Nazri Ali	Faculty of Computer and Mathematical Sciences	<i>Penceramah Kursus Asas Keusahawanan</i>	50.00

NO.	HEAD CONSULTANT	FACULTY	TITLE/PROJECT	AMOUNT (RM)
69.	Isma Ishak	Faculty of Information Management	<i>Pereka Bentuk dan Grafik bagi Modul Cerdik Niaga MASMED 2020</i>	150.00
70.	Isma Ishak	Faculty of Information Management	<i>Pembina Template dan Web Majalah e-Dinamik</i>	150.00
71.	Wan Nor Hafidzah Wan Mohd	Faculty of Computer and Mathematical Sciences	<i>Program Kelas Tambahan Bagi Anak-Anak Yatim PKAYIS 2020</i>	50.00
72.	Wan Nor Hafidzah Wan Mohd	Faculty of Computer and Mathematical Sciences	<i>Program Kelas Tambahan Bagi Anak-Anak Yatim PKAYIS 2020</i>	50.00

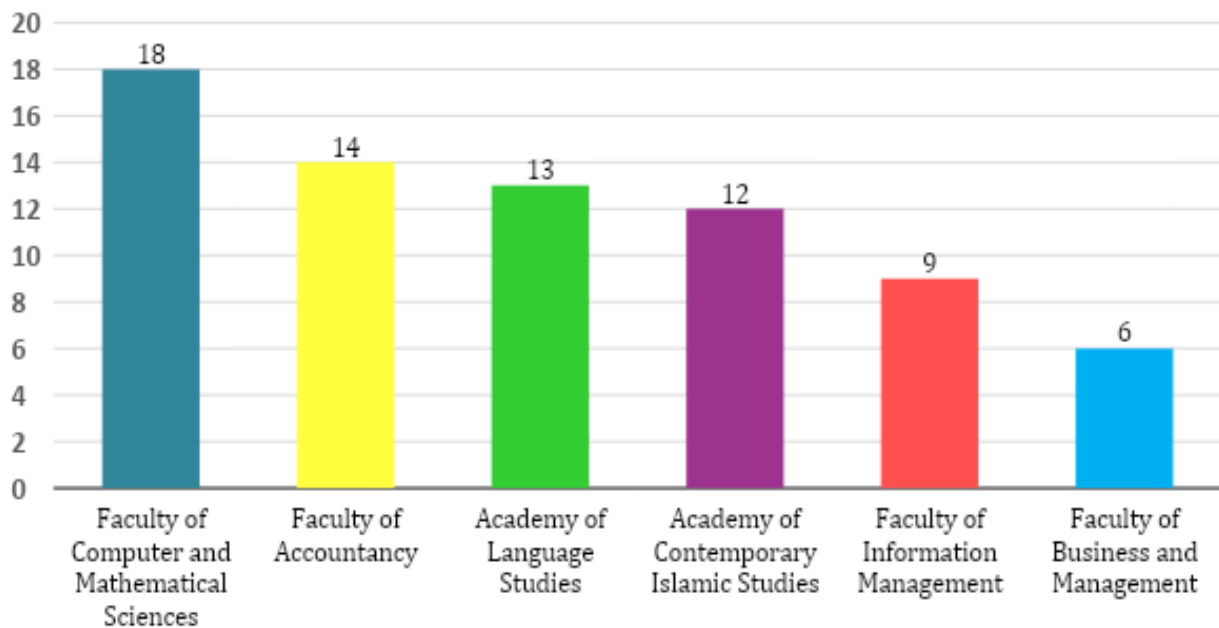
Table 3.1.2 List of Consultancy projects for Pasir Gudang Campus

NO.	HEAD CONSULTANT	FACULTY	TITLE/PROJECT	AMOUNT (RM)
1.	Siti Hajar Anaziah Muhamad	Faculty of Chemical Engineering	<i>Pelaksanaan Modul Latihan Amali bersama Pelajar Politeknik Tun Syed Nasir</i>	19,701.00
2.	Assoc. Prof. Ir. Dr. Ahmad Rafizan Mohamad Daud	Faculty of Chemical Engineering	Biodegradable Jerry Can	9,600.00
3.	Dr. Abdul Hadi Abdol Rahim @ Ibrahim	Faculty of Mechanical Engineering	Technical Workshop	4,000.00
4.	Nazri Nasir	Faculty of Electrical Engineering	Collaborative Research in Engineering, Science and Technology (CREST)	2,000.00
5.	Mohd Haikal Mustafa	Faculty of Chemical Engineering	<i>Diploma Professional Teknologi</i>	1,600.00
6.	Arbanah Muhammad	Faculty of Chemical Engineering	<i>Diploma Professional Teknologi</i>	1,600.00

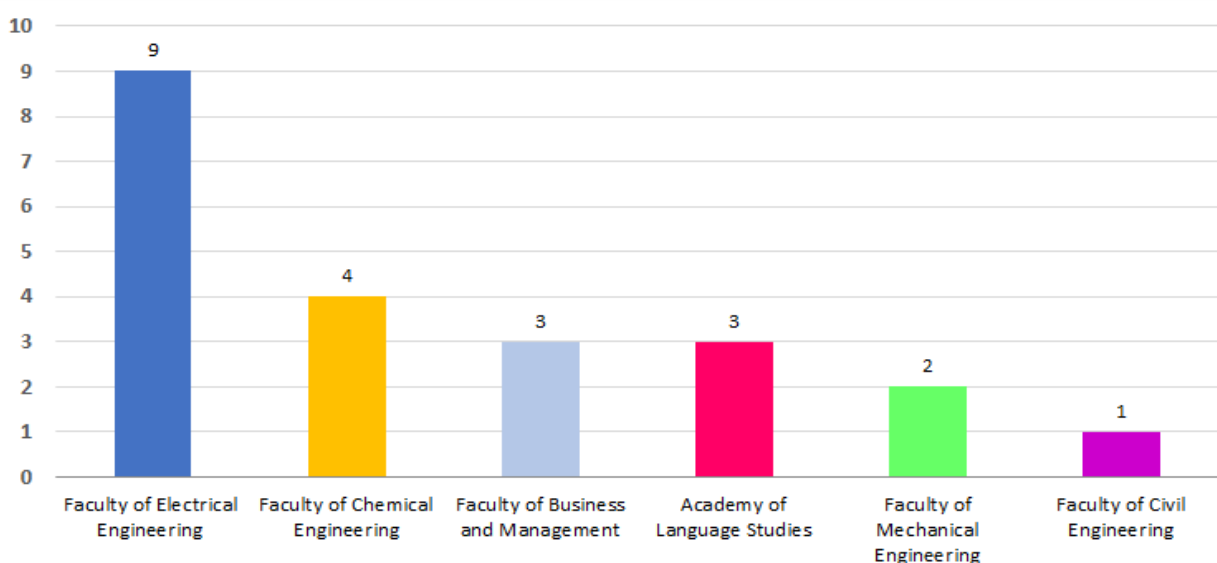
NO.	HEAD CONSULTANT	FACULTY	TITLE/PROJECT	AMOUNT (RM)
7.	Dr. Abdul Hadi Abdol Rahim @ Ibrahim	Faculty of Mechanical Engineering	Metallography Test	1,300.00
8.	Rozi Rifin	Faculty of Electrical Engineering	Collaborative Research in Engineering, Science and Technology (CREST)	1,200.00
9.	Norbaiti Sidek	Faculty of Electrical Engineering	Collaborative Research in Engineering, Science and Technology (CREST)	500.00
10.	Suhana Mohamad	Faculty of Business and Management	<i>Penceramah Kursus Penasihat Akademik KYPJ</i>	450.00
11.	Ezril Hisyam Mad Saat	Faculty of Electrical Engineering	Critical Thinking in STEM: Problem-Based Education	400.00
12.	Kamaru Adzha Kadiran	Faculty of Electrical Engineering	Critical Thinking in STEM: Problem-Based Education	400.00
13.	Rozi Rifin	Faculty of Electrical Engineering	Critical Thinking in STEM: Problem-Based Education	400.00
14.	Nur Dalila Khirul Ashar	Faculty of Electrical Engineering	<i>Bengkel Hands-On Artikel Jurnal: Tulis Sehingga Terbit</i>	250.00
15.	Suhana Mohamad	Faculty of Business and Management	<i>Juri Start-Up Showcase</i>	100.00
16.	Suhana Mohamad	Faculty of Business and Management	<i>Juri Fasa 2 Best Mentor</i>	100.00
17.	Doris Asmani Mat Yusof	Faculty of Civil Engineering	<i>Audit Pra Pengawasan Bil. 1/2020</i>	100.00
18.	Dr. Nor Diyana Md Sin	Faculty of Electrical Engineering	<i>Audit Pra Pengawasan Bil. 1/2020</i>	100.00
19.	Maisarah Noorezam	Academy of Language Studies	<i>Audit Pra Pengawasan Bil. 1/2020</i>	100.00
20.	Muhammad Irfan Mokhtar	Academy of Language Studies	<i>Audit Pra Pengawasan Bil. 1/2020</i>	100.00
21.	Nur Alyani Khairol Anuar	Academy of Language Studies	<i>Audit Pra Pengawasan Bil. 1/2020</i>	100.00
22.	Rozi Rifin	Faculty of Electrical Engineering	<i>Audit Pra Pengawasan Bil. 2/2019</i>	100.00

### 3.2 DATA AND PROJECTIONS

The number of consultancy projects of UiTM CJ by faculty is shown in Fig. 3.2.1 – 3.2.2 where it is seen that Faculty of Computer and Mathematical Sciences obtained the highest number of projects due to their involvement in *Pertubuhan Kebajikan Anak-anak Yatim Islam Daerah Segamat (PKAYIS)* programme.

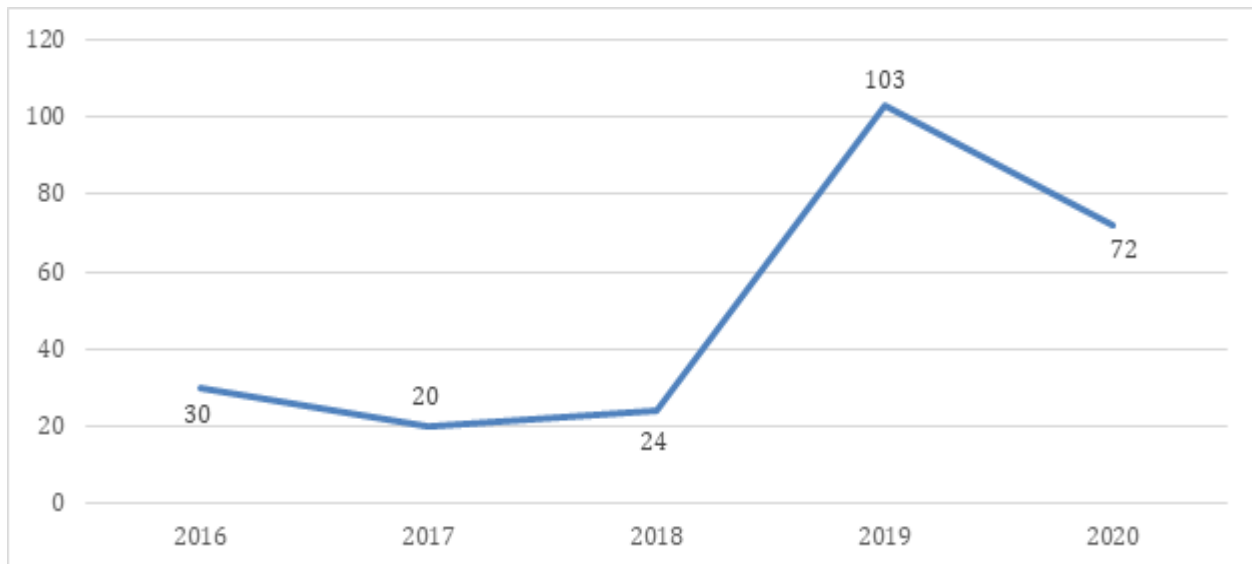


**Fig. 3.2.1** Number of consultancy projects by faculty at Segamat Campus

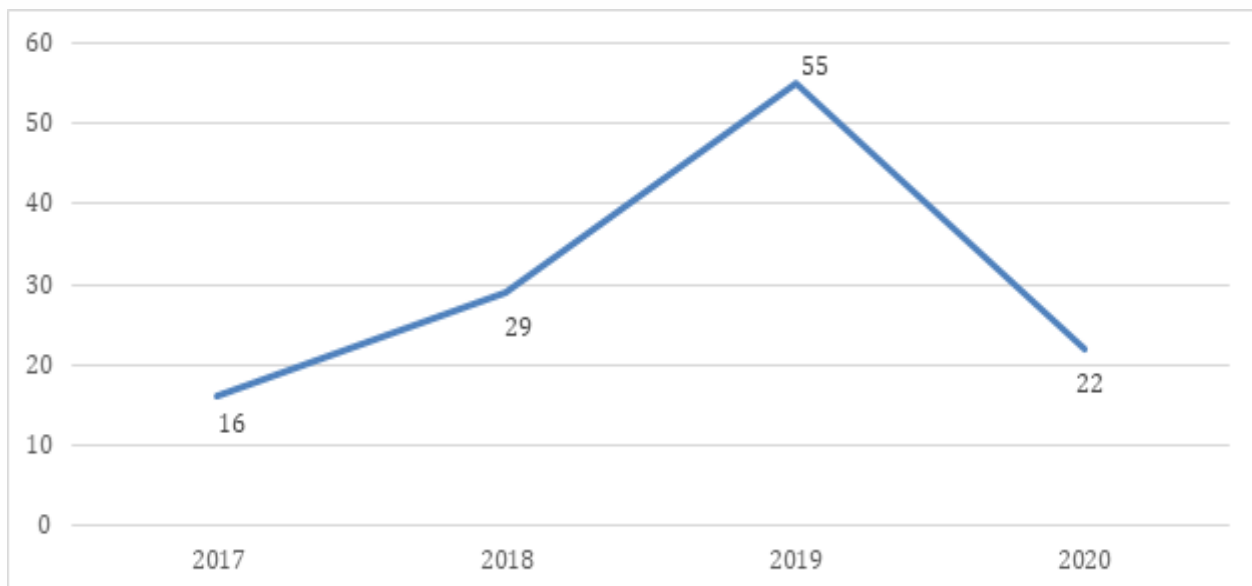


**Fig. 3.2.2** Number of consultancy projects by faculty at Pasir Gudang Campus

The projection of consultancy projects at UiTMCJ for both campuses are depicted in Fig. 3.2.3 - 3.2.4. The overall number of consultancy projects from the year 2016 until 2020 are illustrated in Fig. 3.2.5. A decreasing pattern is observed between 2019 and 2020 due to COVID-19 pandemic.

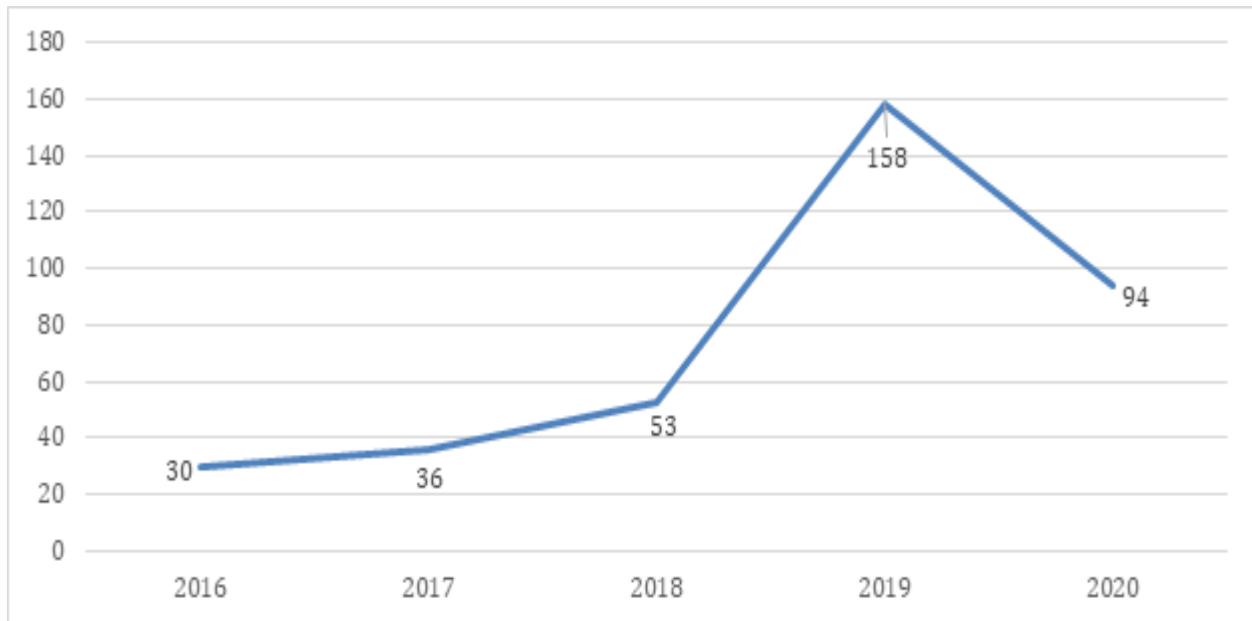


**Fig. 3.2.3 Number of consultancy projects at Segamat Campus (2016 – 2020)**



**Fig. 3.2.4 Number of consultancy projects at Pasir Gudang Campus (2017 – 2020)**





**Fig. 3.2.5 Total number of consultancy projects at UiTMCJ (2016 – 2020)**

# 2020

*Annual Report of Research, Industrial Linkages & Alumni Division*

## 4. INNOVATION, PATENT & COMMERCIALISATION

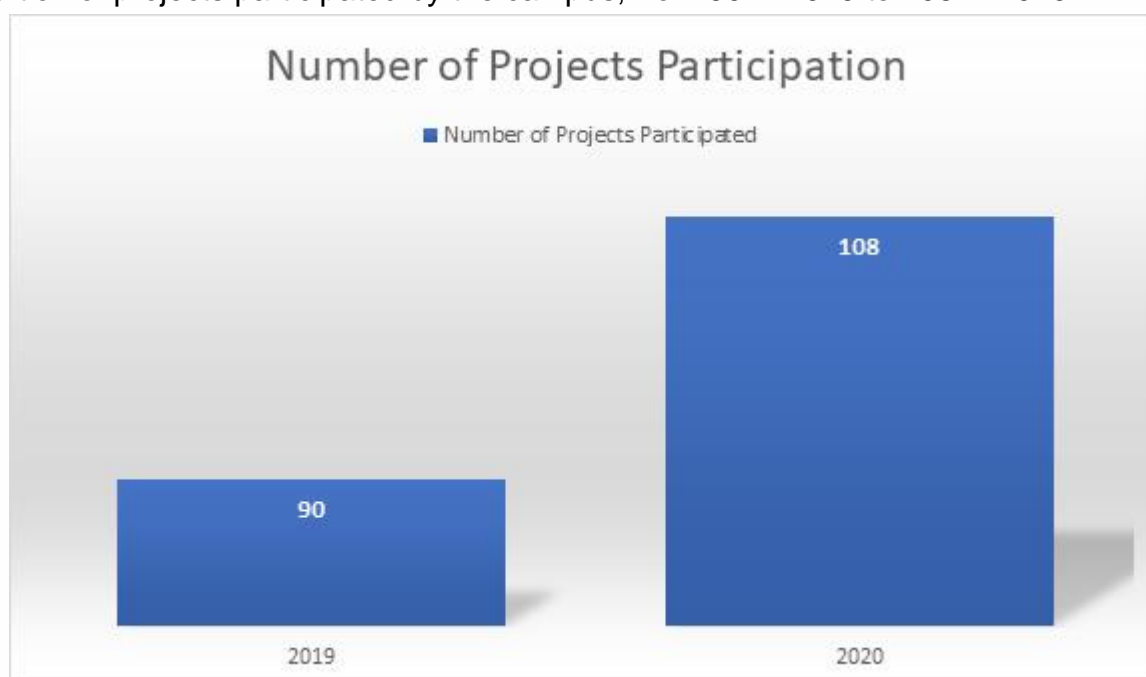
## SECTION 4 INNOVATION, PATENT & COMMERCIALISATION

### 4.0 INTRODUCTION

Even with the rising numbers of Covid-19 pandemic since early 2020, UiTM CJ still manages to participate in many events related to innovation competitions and won several medals and awards locally and internationally. There are also products that we have successfully patented for commercialisation purposes.

### 4.1 INNOVATION COMPETITIONS

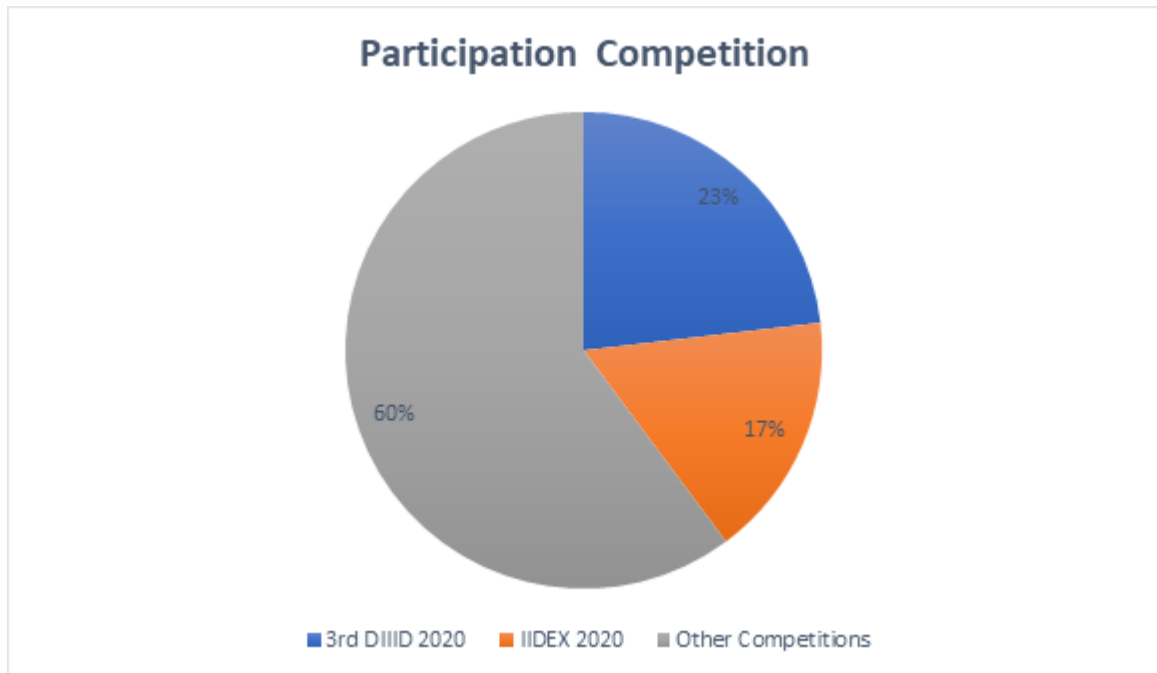
24 projects from Segamat Campus and 84 projects from Pasir Gudang Campus were featured in the innovation related competitions and exhibitions in the year of 2020. Fig 4.1.1 shows the comparison of the number of projects between 2019 and 2020. There was an increase in the proportion of projects participated by the campus, from 90 in 2019 to 108 in 2020.



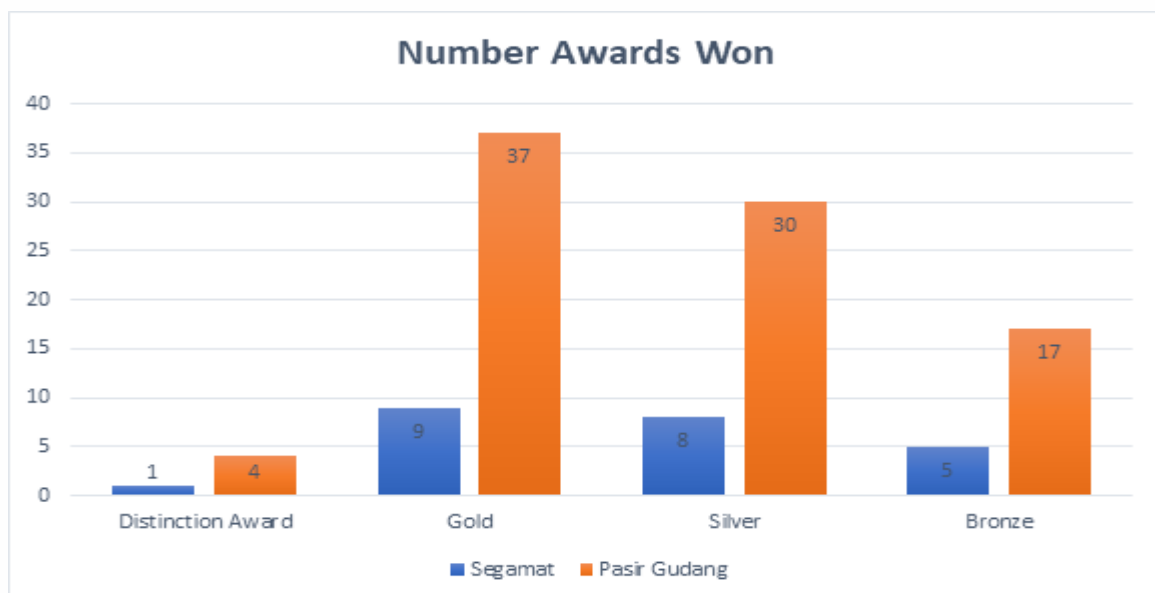
**Fig. 4.1.1 Number of participation in Innovation-related competitions and/or exhibition (2019 & 2020)**

Out of these 108 projects in 2020, 23.15% participated in the 3<sup>rd</sup> DIIID Johor 2020, while the other 76.85% were featured in other competitions such as Invention, Innovation and Design Exposition (IIDEX) 2020, Virtual Innovation Competition (VIC) 2020, International Jasin Multimedia and Computer Science Invention, Innovation and Exhibition (i-JAMCSIX) 2020, International Innovation, Design and Articulation (i-IDEA) 2020 and Sabah International Virtual

Innovation and Invention Competition (SIVIIC) 2020 (to name a few) as shown in Fig 4.1.2. Fig 4.1.3 shows the achievement for both Segamat and Pasir Gudang Campus in those respective competitions for the year of 2020.



**Fig. 4.1.2** Number of participation (percentage based in the competition/exhibition) 2020



**Fig. 4.1.3** Number of awards/medals won by participants/projects from Segamat and Pasir Gudang Campus in 2020

## 4.2 ACHIEVEMENT

### 3<sup>rd</sup> DIGITALISED INTERNATIONAL INVENTION, INNOVATION & DESIGN COMPETITION, JOHOR 2020 (DIIID 2020)

Table 4.2.1 List of participants and awards in DIIID 2020

SEGAMAT CAMPUS			
NO.	MEMBERS	PROJECT TITLE	AWARD
1.	i.Noor Hidayah Ab Aziz ii.Fazrul Hanim Abd Sata iii.Nurul Azlin Azmi iv.Assoc. Prof. Dr. Nor Balkish Zakaria v.Prof. Dr. Jamaliah Said	Shariah Margin Estimator for Small Medium Enterprise (SME for SME)	Gold
2.	i.Dr. Tan Yan Ling ii.Yiew Thian Hee iii.Muzafar Shah Habibullah	Green E-Scooter: a Combined Hybrid Solar Home Supply Dynamo Charging System	Gold
3.	i.Assoc. Prof. Dr. Rahimah Mohamed Yunos ii.Assoc. Prof. Dr. Syahrul Ahmar Ahmad iii.Juyati Mohd Amin	Accounting Brain Twister	Gold
4.	i.Nor Diana Abd Rahman ii.Isma Ishak iii.Dr. Siti Nur Ila Mat Kamal iv.Suhaila Osman	E-Kubsis	Gold
5.	i.Isma Ishak ii.Ahmad Fuzi Md Ajis iii.Rohayu Ahmad	Electronic Document Management System for Course File	Silver
6.	i.Siti Noor Ain Aziz ii.Norizan Othman iii.Mahasin Saja @ Mearaj iv.Mohamad Zaki Razaly	Illegitimate Children Nasb Attribution Polemic in the Light of Maqasid Al-Shariah: an Insight	Silver
7.	i.Assoc. Prof. Dr. Nor Balkish Zakaria ii.Nurul Azlin Azmi iii.Norhidayah Abdullah iv.Prof. Dr. Jamaliah Said	Comprehensive Audit Fee Estimator (Café)	Silver

NO.	MEMBERS	PROJECT TITLE	AWARD
8.	i.Nurul Aien Abd Aziz ii.Noreen Noor Abd Aziz iii.Shaherah Abdul Malik iv.Rusnani Mohamad Khalid v.Mohd Hafizan Musa	Modelling Factors Contributing to Barriers of Effective Online Learning	Silver
9.	i.Ruziah A Latif ii.Zaibedah Zaharum iii.Mardziyana Mohamad Malom iv.Yuslizawati Mohd Yusoff v.Mohamad Azwan Md Isa	Smile & Save	Bronze
10.	i.Ahmad Fuzi Md Ajis ii.Siti Rahayu Sarman iii.Syed Khusairi Tuan Azam iv.Isma Ishak v.Jafalizan Md Jali	<i>EMaklum</i> : Collecting Data for Organisation Performance	Bronze

#### PASIR GUDANG CAMPUS

NO.	MEMBERS	PROJECT TITLE	AWARD
1.	i.Dr. Arni Munira Markom ii.Dr. Zakiah Mohd Yusoff	Switchable Bright-Dark Pulse Fiber Laser	Gold
2.	i.Ts. Haszeme Abu Kasim ii.Nurul Ain Haris iii.Noor Haliz Noordin iv.Nurul Amilin Zainal Abidin v.Nur Aini Sabrin Manssor	Pesticide Wheel Pump (Pwp) Sprayer	Gold
3.	i.Rohaya Sulaiman ii.Nurhuda Ismail iii.Siti Fairuz Sujak	Muslim Scintiest Book	Gold
4.	i.Noor Hidayu Abdul Rani ii.Nor Fadhilah Mohamad iii.Noorhaliza Aziz	Sagmine Co2 Adsorber	Best of The Best Professional (S&T)
5.	i.Noor Hidayu Abdul Rani ii.Nor Fadhilah Mohamad iii.Noorhaliza Aziz	Sagmine Co2 Adsorber	Merit of Distinctions
6.	i.Noor Hidayu Abdul Rani ii.Nor Fadhilah Mohamad iii.Noorhaliza Aziz	Sagmine Co2 Adsorber	Gold

NO.	MEMBERS	PROJECT TITLE	AWARD
7.	Arbanah Muhamad	Hydro Melon	Gold
8.	i.Ts. Dr. Zakiah Mohd Yusoff ii.Ts. Noor Fadzilah Razali iii.Ts. Dr. Arni Munira Markom	The Intelligent Hydro-Diffusion System	Silver
9.	Ainaa Maya Munira Ismail	Hydromaid	Silver
10.	Mohd Shukri Mohd Senin	<i>Kad Imbas Tulisan Khat (Kitkhat)</i>	Silver
11.	i.Siti Fairuz Sujak ii.Maisarah Noorezam iii.Asmawati Che Hasan iv.Herda Balqis Islami v.Adrianna Rosseira Talip	Pioggia Di Cioccolato	Silver
12.	i.Jamaliah Md Said ii.Norjasween Abdul Malik iii.Ilya Izyan Shahrul Azhar	Plastic Recycle Device	Bronze
13.	i.Hazriel Faizal Pahroraji ii.Dr. Siti Khadijah Alias	Nano Grain Size Cemented Carbide (WC-CO-TAC) via Mim Towards Manufacturing Applications	Bronze
15.	Ahmad Idzwan Yusuf	Modal Analysis for Laminated Rubber Bearing - a New Method to Determine Damping	Bronze
16.	Juwita Asfar	Ai-Reef Coast Protect	Bronze
17.	i.Thahira Bibi TKM Thangal ii.Dr. Rohayu Mohd Yunos	The Assertiveness Module (T.A.M)	Bronze

## INVENTION, INNOVATION & DESIGN EXPOSITION (IIDeX) 2020

**Venue: Shah Alam**

**Date: 2<sup>nd</sup> - 4<sup>th</sup> November 2020**

Table 4.2.2 List of participations and awards in IIDeX 2020

SEGAMAT CAMPUS			
NO.	MEMBERS	PROJECT TITLE	AWARD
1.	i.Assoc. Prof. Dr. Rahimah Mohamed Yunos ii.Assoc. Prof. Dr. Syahrul Ahmar Ahmad iii.Juyati Mohd Am	Accounting for Brain Twister	Silver

NO.	MEMBERS	PROJECT TITLE	AWARD
2.	i. Dr. Tan Yan Ling ii. Yiew Thian Hee iii. Muzafar Shah Habibullah	Green E-Scooter: a Combined Hybrid Solar Home Supply Dynamo Charging System	Silver
3.	i. Nor Diana Abd Rahman ii. Isma Ishak iii. Dr. Siti Nuur Ila Mat Kama iv. Suhaila Osman	E-KUBSIS	Bronze
4.	Nor Fauziah Abu Bakar	An Integrated System of Accountability Reporting for Non- Profit Organisations (I-SARNPOs)	Bronze
5.	Assoc. Prof. Dr. Raja Adzrin Raja Ahmad	Corporate Social Investment: KEEPIT Transparent (CSI KIT)	Bronze

PASIR GUDANG CAMPUS			
NO.	MEMBERS	PROJECT TITLE	AWARD
1.	i. Ts. Mohammad Abdullah ii. Diana Che Lat iii. Ts. Haszeme Abu Kasim iv. Kamaru Adzha Kadiran v. Ahmad Hilmi Khalid	NATKAP - Natural Oil Filter for Fish Cage Farming in Malaysia	Gold
2.	i. Mohd Zulkhairi Mat Salleh ii. Asmawati Che Hasan iii. Hairol Anuar Haron iv. Nazri Nasir v. Dr. Mohamad Rohaidzat Mohamed Rashid	Smart Water Filtration Cage for Water Treatment	Gold
3.	i. Diana Che Lat ii. Ts. Mohammad Abdullah	Innovative E&R PU Foam	Gold
4.	i. Ainaa Maya Munira Ismail ii. Mohammad Abdullah iii. Ab Aziz Mohd Yusof iv. Ahmad Idzwan Yusof	Hydromaid Evo 2020	Gold
5.	Ts. Mohammad Abdullah	Bio-Fatty Acid Methyl Ester Production from Green Microalgae Cultivated using Sungai Sura Running Water: Direct Transesterification Process	Gold



NO.	MEMBERS	PROJECT TITLE	AWARD
6.	i.Mohamad Zhafran Hussin ii.Nor Diyana Md Sin iii.Mohamad Farid Misnan	Urban Vertical Farming Prototype: Room for Growth	Gold
7.	i.Ts. Haszeme Abu Kasim ii.Nurul Ain Haris iii.Noor Haliz Noordin iv.Nurruai Amilin Zainal Abidin v.Nur Aini Sabrin Manssor	Pesticide Wheel Pump (PWP) Sprayer	Silver
8.	i.Nur Muizzah Nawawi ii.Doris Asmani Mat Yusof iii.Siti Shahidah Sharipudin iv.Nora Farina Mohd Halim v.Nor Mayuze Mohammad	ECO-CSBPCRETE	Silver
9.	i.Munirah Onn ii.Siti Nurul 'Ain Hj. Zaiton iii.Hairul Amiza Azman	Herbadore	Silver
10.	i.Muhammad Irfan Mokhtar ii.Nur Alyani Khairul Anuar iii.Nurul Hijah Jasman iv.Nursuhaila Ibrahim	Textrapoly	Silver
11.	i.Muhammad Irfan Mokhtar ii.Nur Alyani Khairul Anuar	Idioms Hunter: Journey Beyond Words	Silver
12.	i.Rohaya Sulaiman ii.Nurhuda Ismail iii.Siti Fairuz Sujak	Muslim Scintiest Book	Silver
13.	i.Noor Hidayu Abdul Rani ii.Nor Fadhillah Mohamad iii.Noorhaliza Aziz	Sagmine Co2 Adsorber	Silver
14.	Kontinjen UiTM Cawangan Johor	-	Best Contingent (2nd Runner Up)

## OTHER INNOVATION COMPETITIONS/EXHIBITION

Table 4.2.3 List of participants and awards in Sabah International Virtual Innovation & Invention Competition (SIVIIC 2019/2020)

**Venue: UiTM Cawangan Sabah**

**Date: 5<sup>th</sup> February 2020**

PASIR GUDANG CAMPUS			
NO.	MEMBERS	PROJECT TITLE	AWARD
1.	Dr. Arni Munira Markom	Picoseconds Dark Pulse Zirconia-Yttria-aluminium-erbium Doped Fiber Laser	Celcom Platinum Award RM 5,000.00 & Best of the Best Award (S&T Professional Category) RM 1,000.00
2.	Dr. Arni Munira Markom	Picoseconds Dark Pulse Zirconia-Yttria-Aluminium-Erbium Doped Fiber Laser	Gold
3.	i.Dr. Nor Diyana Md Sin ii.Dr. Mohamad Zhafran iii.Fazlinashatul Suhaidah Zahid	Humidity Sensor with High Performance Fabricated using Eco-friendly Nanomaterials: Nanobox Like Structured Of ZNO/SNO2	Gold
4.	i.Dr. Zakiah Mohd Yusoff ii.Noor Fadzilah Razali	The Robust Hydro-diffusion System	Gold
5.	i.Dr. Mohamad Zhafran Hussin ii.Dr. Nor Diyana Md Sin iii.Muhammad Zairil iv.Khairul Kamarudin Hassan	Automated Hydroponics Grow System	Silver
6.	Dr. Nor Diyana Md Sin	Smart Eco Friendly Dustbin	Bronze

Table 4.2.4 List of participants and awards in International Jasin Multimedia & Computer Science Invention & Innovation Exhibition (I-JAMCSIIX 2020)

**Venue: UiTM Cawangan Melaka**

**Date: 10<sup>th</sup> March 2020**

<b>PASIR GUDANG CAMPUS</b>			
<b>NO.</b>	<b>MEMBERS</b>	<b>PROJECT TITLE</b>	<b>AWARD</b>
1.	i.Dr. Arni Munira Markom ii.Dr. Zakiah Mohd Yusoff	Picoseconds Dark Pulse Zirconia-Yttria-Aluminium- Erbium Doped Fiber Laser	Gold
2.	i.Muhammad Asraf Hairuddin ii.Nur Dalila Khirul Ashar	I-Traffic Control for Construction Works	Gold
3.	i.Dr. Zakiah Mohd Yusoff ii.Noor Fadzilah Razali iii.Dr. Arni Munira Markom	The Intelligent Essential Oil Extraction System	Gold
4.	i.Dr. Nor Diyana Md Sin ii.Muhammad Faez Abd. Hamid iii.Muhammad Hariz Hafiz iv.Dr. Mohamad Zhafran Hussin v.Norlina Mohd Zain	Pleurotus Ostreatus Mushroom Mini-Weather Station	Gold
5.	i.Dr. Mohamad Zhafran Hussin ii.Mohamad Haziq Mohd Razif iii.Dr. Nor Diyana Md Sin iv.Dr. Hedzlini Zainuddin v.Saiful Firdaus Abdul Shukor	Hydroponics Management System Based Internet Of Things	Gold
6.	i.Rijalul Fahmi Mustapa ii.Atiqah Hamizah Mohd Nordin iii.Aslina Omar	Low Cost Energy Conservation Measure Program For Energy Consumption Reduction In Educational Building	Gold
7.	i.Mastura Omar ii.Fatin Nurdini Mohamad Nizam iii.Izzatul Nadia Azhar	Sumato Awning	Gold
8.	i.Ahmad Najmie Rusli ii.Nurul Nadiahi Rasdi iii.Muhammad Fadil Mustar	Anti-Driving While Intoxicated Device (Anti-Dwi Device)	Gold

NO.	MEMBERS	PROJECT TITLE	AWARD
9.	i. Nur Muizzah Nawi ii. Doris Asmani Mat Yusof iii. Siti Shahidah Sharipudin iv. Nora Farina Mohd Halim v. Nor Mayuze Mohammad	Concrete Sludge of Batching Plant (Csbp) as Recycled Material in Concrete	Gold
10.	i. Foo Fong Yeng ii. Assoc. Prof. Dr. Soo Kum Yoke iii. Azrina Suhaimi	I-Saturate: The New Discovery of Stopping Criterion in Genetic Algorithm	Gold
11.	i. Munirah Onn ii. Siti Nurul 'Ain Hj. Zaiton iii. Hairul Amiza Azman iv. Haikal Mustafa v. Sharifah Sakinah Abdullah	Herbadore Shampoo	Gold
12.	i. Ts. Zahari Abu Bakar ii. Mastura Omar iii. Muhammad Hakimi Huzaimi iv. Muhammad Aiman Azizan v. Ts. Kamaru Adzha Kadiran	Automatic Door Lock System	Silver
13.	i. Dr. Zakiah Mohd Yusoff ii. Noor Fadzilah Razali iii. Shakira Azeehan Azli	IOT Air Pollution Monitoring System	Silver
14.	i. Muhammad Muzamil Mustam ii. Dr. Nor Diyana Binti Md Sin	Intrusion Alert System Via IFTTT (If This Then That) Application	Silver
15.	i. Ts. Kamaru Adzha Kadiran ii. Aisyah Nadiyah Mohamed Nasir iii. Nur Athirah Adiba Mohd Azlan iv. Rozi Rifin v. Amar Faiz Zainal Abidin	E-Spelling Kids	Silver
16.	i. Mastura Omar ii. Syed Hazwan Hafiz Syed Haidzir iii. Mohamad Aziq Haiqal Hisham	Smart Water Dispenser Monitoring System	Silver

NO.	MEMBERS	PROJECT TITLE	AWARD
17.	i.Mastura Omar ii.Farahizzatul Najwa Abd Kamal iii.Dhia Nadhirah Azizul	Smart Home Automation System	Silver
18.	i.Foo Fong Yeng ii.Dr. Ng Set Foong iii.Chong Peng Hwa	Eco-Smart Result Checker	Silver
19.	i.Munirah Onn ii.Hairul Amiza Azman iii.Siti Nurul 'Ain Zaiton iv.Siti Maryam Iliyas v.Aznilinda Zainuddin	Fun Ball & Stick Model Kit for Chemistry Subject	Silver
20.	i.Ts. Zahari Abu Bakar ii.Mastura Omar iii.Ezril Hisham Mat Saat iv.Shahrul Hazim Shaheran v.Mohd Syarif Hanif Mohd Yasin	Automatic Roof Using Arduino and Bluetooth Module	Bronze

Table 4.2.5 List of participants and awards in First Science Innovation Exhibition 2020 (1st SCINEX 2020)

**Venue: UiTM Cawangan Negeri Sembilan**

**Date: 11<sup>th</sup> May 2020**

PASIR GUDANG CAMPUS			
NO.	MEMBERS	PROJECT TITLE	AWARD
1.	i.Dr. Nor Diyana Md Sin ii.Dr. Mohamad Zhafran Hussin	High Sensitivity Humidity Sensor Based ZNO/SNO <sub>2</sub> Composite Nanorod With Enhanced Nanopore	Gold
2.	i.Diana Che Lat ii.Roslizayati Rosli	PU E&R	Gold
3.	Ts. Mohammad Abdullah	Magic Poly Bead: New Alternatives for Heavy Metals and Dyes Removal	Bronze

Table 4.2.6 List of participants and awards in Virtual Innovation Competition (VIC) 2020

**Venue: UiTM Cawangan Kelantan**

**Date: 30<sup>th</sup> June 2020**

<b>PASIR GUDANG CAMPUS</b>			
<b>NO.</b>	<b>MEMBERS</b>	<b>PROJECT TITLE</b>	<b>AWARD</b>
1.	i.Nur Dalila Khirul Ashar ii.Muhammad Asraf Hairuddin iii.Siti Aminah Nordin iv.Muhammad Zayd Harithah Jasni	IOT Based Interfacing Module for Industrial Instrumentation Course: a Low-Cost Acquisition Device as Practical Teaching Tools	Gold
2.	i.Diana Che Lat ii.Mohammad Abdullah iii.Atiqah Najwa Zainuddin iv.Nor Azizah Che Azmi	E&R PU Foam	Gold
3.	i.Ts. Mohammad Abdullah ii.Diana Che Lat iii.Atts. Haszeme Abu Kassim iv.Ahmad Hilmi Khalid v.Ts Kamaru Azdha Kadiran	Natkap -A New Green Oil Filter for Fish Cage Farming	Gold
4.	Ts. Mohammad Abdullah	Poly Bead : Amidoxime Modified Poly (Acrylonitrile-Grafted-Microcrystalline Cellulose) a New Adsorbent in Removing Heavy Metals Ion	Gold
5.	Ts. Mohammad Abdullah	N.E.P : Natural Eggshell Powder for Greasy Water Purifying	Gold
6.	i.Ts. Dr. Mohamad Farid Misnan ii.Ts. Zahari Abu Bakar	Smart IOT Water Monitoring System for Sustainable Water Management	Silver
7.	i.Mazleenda Mazni ii.Amir Yusuf Mohd Shukri iii.Nur Amirah Mohd Rashidi	Lounge Solar Chair	Silver

NO.	MEMBERS	PROJECT TITLE	AWARD
8.	i.Norhisyam Jenal ii.Mohd. Zaid Khair Mohd Kasim iii.Muhamad Aniq Hazman Hairozie iv.Aliff Johan Abdul Jalil v.Muhammad Haziq Baharudin vi.Siti Aishah Taib	Slice-It-Nice, Portable Automatic Multi Food Slicer	Silver
9.	i.Azyan Zafyrah Mohd Zahid ii.Mazni Mat Zin iii.Nadia Zalikha Saifullizam iv.Noorashiekin Khalid v.Siti Farahin Kamaruddin vi.Wan Syarizawani Wan Chik	PVP Brick (Perna Viridis Pofa)	Silver
10.	i.Ahmad Khudzairi Khalid ii.Zarith Sofiah Othman iii.Norbaiti Tukiman iv.Nur Intan Syafinaz Ahmad	BIZMC- Bizmath Challenge	Silver
11.	i.Ts. Mohammad Abdullah ii.Arbanah Muhammad iii.Ainaa Maya Munira Ismail iv.Siti Aishah Taib	OLEO Bingo	Silver
12.	i.Ts. Haszeme Abu Kasim ii.Dr. Suhadiyana Hanapi iii.Dr. Kamariah Md Isa iv.Nurul Ain Haris v.Dr. Abdul Hadi Abdol Rahim @ Ibrahim	Pesticide Wheel Pump (PWP) Sprayer	Bronze
13.	Ainaa Maya Munira Ismail	Hydromaid	Bronze

Table 4.2.7 List of participants and awards in Other Innovation Competitions

SEGAMAT CAMPUS				
NO.	EVENTS	MEMBERS	PROJECT TITLE	AWARD
1.	5 <sup>th</sup> International Innovation, Design & Articulation (I-IDEA) 2020	i. Jannah Munirah Mohd Noor ii. Ahmad Fuzi Md Ajis iii. Dr. Syaimak Ismail @ Md Yusoff iv. Che Faridah Che Mahmood v. Nur Eyliawati Japelus	<i>Model Pelestarian Perniagaan Spa &amp; Sauna kepada Komuniti Ibu Tunggal &amp; Orang Kelainan Upaya (OKU)</i>	Gold

NO.	EVENTS	MEMBERS	PROJECT TITLE	AWARD
2.	International Jasin Multimedia & Computer Science Invention, Innovation & Exhibition (I-JAMCSIIX) 2020	i. Nor Fauziah Abu Bakar ii. Assoc. Prof. Dr. Saunah Zainon iii. Assoc. Prof. Dr. Ahmad Naqiyuddin Bakar iv. Rosnani Abdul Razak	An Integrated System of Accountability Reporting for Non-Profit Organisations (I-SARNPOS)	Gold
3.	International Jasin Multimedia & Computer Science Invention, Innovation & Exhibition (I-JAMCSIIX) 2020	i. Ahmad Najmie Rusli ii. Nurul Nadiah Rasdi iii. Muhammad Fadir Mustar	Anti-driving While Intoxicated Device (ANTI-DWI DEVICE)	Gold
4.	Sabah International Virtual Innovation & Invention Competition (SIVIIC) 2020	i. Assoc. Prof. Dr. Raja Adzrin Raja Ahmad ii. Noor Hidayah Abd Aziz iii. Norhidayah Abdullah iv. Noor Azrin Zainudin	Corporate Social Investment: Keep It Transparent (CSI-KIT)	Gold
5.	Sabah International Virtual Innovation & Invention Competition (SIVIIC) 2020	i. Assoc. Prof. Dr. Noriah Ismail ii. Suhaidi Ellias @ Alias iii. Isma Ishak iv. Deepak Singh Ratan Singh	IQ-Dynamic Teaching & Learning Resources	Gold
6.	Sabah International Virtual Innovation & Invention Competition (SIVIIC) 2020	i. Wan Nor Hafidzah Wan Mohd ii. Assoc. Prof. Dr. Noriah Ismail' iii. Haryati Ahmad iv. Dr. Norazam Arbin v. Assoc. Prof. Dr. Soo Kum Yoke	Gift of Love for Underprivileged (GOLFUS)	Silver
7.	Karnival Inovasi P&P (KNOVASI) 2020	Syamsul Samsudin	Applied Investment Management (INV621): Digital Learning Experience V1	Silver
8.	2 <sup>nd</sup> Multimedia Innovation Competition (MICOM) 2020	i. Jannah Munirah Mohd Noor ii. Ahmad Fuzi Md Ajis iii. Dr. Syaimak Ismail @ Md Yusoff iv. Che Faridah Che Mahmood v. Nur Eylawati Japelus	<i>Model Pelestarian Perniagaan Spa &amp; Sauna Kepada Komuniti Ibu Tunggal &amp; Orang Kelainan Upaya (OKU)</i>	Gold



NO.	EVENTS	MEMBERS	PROJECT TITLE	AWARD
9.	9 <sup>th</sup> International Innovation, Invention & Design Virtual Competition (INDES) 2020	i. Zuraidah Sipon ii. Nur Liyana Mohamed Yousop iii. Norhasniza Mohd Hasan Abdullah iv. Shashazrina Roslan v. Zuraidah Ahmad vi. Nur Asyiqin Ramdhan	Elis Schoolbase	Aspiring Innovator Award

PASIR GUDANG CAMPUS						
NO.	NAME OF COMPETITION	MEMBERS	PROJECT TITLE	VENUE	DATE	AWARD
1.	3rd International Innovation, Invention & Design Competition 2020	i. Rijalul Fahmi Mustapa ii. Atiqah Hamizah Mohd Nordin	Multiple Linear Regression Baseline Energy Model for Educational Building's Energy Savings Measurement and Verification	UiTM Cawangan Terengganu	15 Nov 2020	Gold
2.	International Pitching Innovation Competition 2020 (IPIC2020)	i. Ahmad Khudzairi Khalid ii. Nurhuda Ismail iii. Nur Intan Syafinaz Ahmad	Addition the Smart Way	UiTM Cawangan Kedah	1 Apr 2020	Gold
3.	KNOVASI2020	i. Mahfuzah Mohammed Zabidi ii. Norbaiti Tukiman	<i>Modul Pondok Stay untuk Mahasiswa Pengajian Islam di IPT</i>	Tenera Bangi Hotel	5 - 6 Feb 2020	Silver
4.	IIMOS 2020	i. Mohd Shukri Mohd Senin ii. Mohd Rilizam Rosli iii. Mohd Farhan Ahmad iv. Mohd Ali Mohd Don	<i>Pengajaran dan Pembelajaran Tulisan Khat Menerusi Kad Imbas Tulisan Khat (Kitkhat)</i>	UiTM Cawangan Kelantan	15 Jul – 30 Nov 2020	Bronze

NO.	NAME OF COMPETITION	MEMBERS	PROJECT TITLE	VENUE	DATE	AWARD
5.	E-Condev 2020	i. Noraishah P Othaman ii. Mahfuzah Mohamed Zabidi iii. Aslina Omar	<i>Qawaid Fiqhiyyah: Pemudah Cara Pemahaman Hukum Fiqh dalam Kod CTU211</i>	ICEPS UiTM	10 - 20 Oct 2020	Bronze
6.	Asia International Innovation Exhibition (AIINEX) 2020	i. Ts. Mohammad Abdullah	N.E.P Greasy Water Filter	UNIKL	18 Sep 2020	Bronze
7.	Asia International Innovation Exhibition (AIINEX) 2020	i. Ts. Mohammad Abdullah ii. Diana Che Lat iii. Ts. Haszeme Abu Kasim iv. Kamaru Adzha Kadiran v. Ahmad Hilmi Khalid	Natkap - Natural Oil Filter for Fish Cage Farming in Malaysia	UNIKL	18 Sep 2020	Bronze
8.	Asia International Innovation Exhibition (Aiinex) 2020	i. Nursyuhada Zakaria ii. Muhammad Irfan Mokhtar iii. Nur Alyani Khairol Anuar iv. Nurul Hijah Jasman v. Nursuhaila Ibrahim	Jester Game	UNIKL	18 Sep 2020	Bronze
9.	INTELEC2020	i. Noor Raifana Ab Rahim ii. Narita Noh iii. Nur Zaidani Wati Mohd Darwis iv. Juwita Asfar v. Nurul Azida Abd Razak	I-Lab V2	UiTM Cawangan Perak	29 Oct 2020	Silver
10.	INTELEC2020	i. Chong Peng Hwa ii. Toh Ling Ling iii. Gan Kiat Chien iv. Lai Yuh Ying	Transforming Language Learning Through Online Interactive Learning Activity	UiTM Cawangan Perak	29 Oct 2020	Silver

NO.	NAME OF COMPETITION	MEMBERS	PROJECT TITLE	VENUE	DATE	AWARD
11.	INTELEC2020	i. Salmi Nur Ain Sanusi ii. Noor Hidayu Abdul Rani iii. Siti Hajar Anaziah Muhamad iv. Nor Fadilah Mohamad v. Mohd Zaki Sukor	Interactive Learning Through Odl for Chemical Reaction Engineering Course	UiTM Cawangan Perak	29 Oct 2020	Bronze
12.	INDES 2020	i. Dr. Nur Hazirah Rozali Annuar ii. Siti Nor Hafiza Mohd Yusoff iii. Asmawati @ Fatin Najihah Alias iv. Dr. Haryana Mohd Hairi v. Dr. Saiful Najmee Mohamad	Design and Synthesis of CR2O3-ZRO2: Effect of CR2O3 Loading on the Properties and Cracking Activity of PT/CR2O3-ZRO2	UiTM Cawangan Perak	10 Oct 2020	Gold
13.	INDES 2020	i. Munirah Onn ii. Siti Nurul 'Ain Hj. Zaiton iii. Hairul Amiza Azman	Ball & Stick Model Kit For P&P	UiTM Cawangan Perak	10 Oct 2020	Gold
14.	INDES 2020	i. Siti Nurul 'Ain Hj. Zaiton ii. Munirah Onn iii. Hairul Amiza Azman iv. Dr. Saiful Najmee Mohamad v. Siti Mariam Mohammad Iliyas	PHEASYICS Easy Physics for All	UiTM Cawangan Perak	10 Oct 2020	Silver
15.	"SAHASAK NIVAMUM - 2020 " International Invention and Innovation Competition Sri Lanka	i. Ts. Mohammad Abdullah ii. Ts. Haszeme Abu Kasim iii. Ahmad Hilmi Khalid iv. Kamaru Adzha Kadiran v. Diana Che Lat	Natkap - Natural Oil Filter for Fish Cage Farming in Malaysia	Sri Lanka	30 Sep 2020	Gold

### 4.3 LIST OF PATENTS, COPYRIGHTS & COMMERCIALISATION

Table 4.3.1 List of products/projects/prototypes that have been patented/ copyright for the purpose of commercialisation

SEGAMAT CAMPUS			
NO.	PRODUCT	MEMBERS	REFERENCE NO.
1.	dgDocSPACE: Mobile Filing Management System	Azura Abdul Jamil @ Kamarudzzaman	LY2019001682

NO.	PRODUCT	MEMBERS	REFERENCE NO.
2.	Koleksi Peribahasa Inggeris: dengan Penerangan dalam Bahasa Melayu dan Inggeris	Assoc. Prof. Dr. Noriah Ismail	CRLY00012365
3.	Readers' Theatre: with Scripts and Fund Activities for EsL Reading Class	Assoc. Prof. Dr. Noriah Ismail	CRLY00012369
4.	IQ-Dynamic T & L Resources	Suhaidi Elias	CRLY00012373
5.	Properform Model	Suhaidi Elias	CRLY00012374
6.	Pregger's Seat Belt	Wan Mohd Farid Wan Zakaria	CRLY00020224

PASIR GUDANG CAMPUS			
NO.	NAME OF PRODUCT	MEMBERS	REFERENCE NO.
1.	Coir Wrap: The Study of Suitability of Coir Fibres in Producing Wrapping Paper	i.Salmi Nur Ain Sanusi ii.Ainaa Maya Munira Ismail	CRLY00023817
2.	Hydromaid	Ainaa Maya Munira Ismail	CRFM00001099
3.	Muslim Scientist Book	i.Nurhuda Ismail ii.Siti Fairuz Sujak iii.Rohaya Sulaiman iv.Ahmad Khudzairi Khalid v.Nur Intan Syafinaz Ahmad	CRFM00001137

NO.	NAME OF PRODUCT	MEMBERS	REFERENCE NO.
4.	Al-Reef Coast Protect	i. Juwita Asfar ii. Nur Zaidani Wati Mohd Darwis iii. Noor Raifana Ab Rahim iv. Muhammad Hafeez Nor Azlan	CRFM00001172
5.	High Performance Engineered Cementitious Composites	i. Dr. Lee Siong Wee	CRLY00026258
6.	Ultra-Sensitive Humidity Sensor: Nanosphere Like Structured of ZNO/SNO <sub>2</sub> Composite	i. Dr. Nor Diyana Md Sin ii. Dr. Mohamad Zhafran Hussin	CRLY00026259
7.	Computational Image Analysis in Md2-Pineapple Fruit: Algorithm for Identification, Detection and Yield Counting	i. Nur Dalila Khirul Ashar ii. Dr. Muhammad Asraf Hairuddin	CRLY00026389
8.	Data Analysis of Pca Selection for Geomagnetic Data in Malaysia Space Weather Application	i. Nur Dalila Khirul Ashar ii. Dr. Muhammad Asraf Hairuddin	CRLY00026545
9.	I-Lab V2	i. Noor Raifana Ab Rahim ii. Narita Noh iii. Nurul Azida Abd Razak iv. Nur Zaidani Wati Mohd Darwis v. Juwita Asfar	CRLY00026547

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## 5. PUBLICATIONS

## SECTION 5 PUBLICATIONS

### 5.0 INTRODUCTION

Publishing provides a communication channel and a recognition mechanism for researchers and institutions. For this year UiTM CJ lecturers have managed to publish several great books as well as book chapters.

### 5.1 BOOKS AND BOOK CHAPTERS

Table 5.1.1 and 5.1.2 show the number of books as well as chapters in books published by UiTM CJ lecturers. There are altogether 23 books and 57 chapters in books published this year.

Table 5.1.1 List of books Published in 2020

SEGAMAT CAMPUS			
NO.	TITLE	AUTHOR/S	PUBLISHER
1.	Fundamental of Calculus	i. Dr. Shamsatun Nahar Ahmad ii. Farah Suraya Md Nasrudin iii. Muhammad Yassar Yusri	UiTM Press
2.	Investment Analytics	i. Ts. Dr. Ahmad Razi Ramli ii. Oswald @ Timothy Edward	McGraw Hill
3.	Compendium of Cataloging	i. Faddliza Mohd Zaki ii. Noor Faraliza Samsudin iii. Moor Masliana Razlan iv. Nurhafizah Azizan	FIM Remba Press
4.	<i>Buku Aktiviti Cita-Cita Fatma</i>	Alizah Ali	Farabi Global Resources
5.	Fatma's Ambition	Alizah Ali	Ly Meng Printing Shop, Cambodia
6.	<i>Panduan Fasilitator Modul Celik Niaga</i>	i. Irwan Ismail ii. Jannah Munirah Mohd Noor iii. Musmailina Mustafa Kamal iv. Rosmah Abd Ghani v. Shafiee Tarmudi vi. Siti Farrah Shahwir vii. Siti Nordiyana Isahak viii. Syamsul Samsudin ix. Zurina Omar	MASMED, UiTM Cawangan Johor

NO.	TITLE	AUTHOR/S	PUBLISHER
7.	<i>Analitika Akademia</i>	i. Alizah Ali ii. Azlina Jumad iii. Azura Abdul Jamil @ Kamarudzzaman iv. Farhana Idris v. Mahasin Saja @ Mearaj vi. Mazlyda Abd Rahman vii. Mohamad Azwan Md Isa viii. Dr. Noor Sufiawati Khairani ix. Dr. Noorita Mohammad x. Norintan Wahab xi. Nurfarhana Mohd Daud xii. Oswald @ Timothy Edward xiii. Rafiuddin Mohd Yusof xiv. Rohayu Ahmad xv. Rusnani Mohamad Khalid xvi. Dr. Shamsatun Nahar Ahmad xvii. Syamsul Samsuddin xviii. Tay Bee Hong xix. Zuraidah Sipon	UiTM Cawangan Johor
8.	The Virtual Symposium on Teaching and Learning (VSTL) 2020	i. Dia Widyawati Amat ii. Diana Othman iii. Fairuz Husna Mohd Yusof iv. Haniza Sarijari v. Maisarah Noorezam vi. Muhamma Irfan Mokhtar vii. Nur Alyani Khairol Anuar viii. Nurul Hijah Jasman ix. Siti Aishah Taib x. Siti Zarikh Sofiah Abu Bakar xi. Zuraidah Sumery	APB UiTMCJKPG
9.	Fundamental Accounting: Concept and Practical Approach 2nd edition	i. Noor Hayati Mohamed Zawawi ii. Amela Abu iii. Rokimah Mohamed iv. Rosmawati Haron	McGraw Hill
10.	<i>Islam dan Perubatan</i>	i. Imaaduddin Abdul Halim ii. Adlan Saidin iii. Emie Sylviana Mohd Zahid iv. Habibah Ayob v. Hisyam Mohd Radzi vi. Mohd Marbawi Taha vii. Roshaimizam Suhaimi viii. Sofwan Hj. Hasbullah @ Abdullah	UiTM Cawangan Pulau Pinang



NO.	TITLE	AUTHOR/S	PUBLISHER
11.	<i>Pengantar Tasawwur Islam</i>	i. Emie Sylviana Mohd Zahid ii. Mastura Razali iii. Mohd Marbawi Taha iv. Nurfahiratul Azlina Ahmad v. Zaiton Din	ACIS, UiTM Cawangan Pulau Pinang
12.	<i>Buku Teks Pendidikan Islam Tahun 5 - KSSR</i>	Dr. Nurul Badriyah Ali	Dewan Bahasa dan Pustaka (DBP)
13.	<i>Muhammad Bukan Pendusta: Membongkar Fitnah dan Pembohongan Atas Nama Nabi Muhammad SAW</i>	Rudza Hanim Mohamed Anuar	Hijjaz Record Publishing
14.	<i>Legenda Mahsuri</i>	Nazhatulshima Nolan	Persatuan Penulis Nasional Malaysia (PENA)

PASIR GUDANG CAMPUS			
NO.	TITLE	AUTHOR/S	PUBLISHER
1.	<i>Perusahaan Kupang Kampung Kuala Masai</i>	Dr. Mahfuzah Mohammed Zabidi	Academy of Contemporary Islamic Studies
2.	<i>Modul Pembangunan Orang Asli Harapan</i>	Dr. Mahfuzah Mohammed Zabidi	Academy of Contemporary Islamic Studies
3.	<i>Dari Pasir Gudang ke Persada Global Kumpulan Rencana Akademia UiTM Pasir Gudang</i>	i. Dr. Mohd Ali Muhamad Don ii. Dr. Suhadiyana Hanapi iii. Nurul 'Ain Haris	Persatuan Penulis Johor
4.	<i>Sains dan Teknologi Islam</i>	Dr. Mohd Shukri Mohd Senin	Academy of Contemporary Islamic Studies
5.	The Virtual Symposium on Teaching and Learning (VSTL) 2020	Maisarah Noorezam	Academy of Language Studies, UiTMCJ Pasir Gudang Campus
6.	Student's Handbook Faculty of Electrical Engineering UiTM Cawangan Johor Kampus Pasir Gudang	Norhalida Othman	UiTM Cawangan Johor

NO.	TITLE	AUTHOR/S	PUBLISHER
7.	PHEASYICS Easy Physics for All	i. Saiful Najmee Mohamad ii. Siti Nurul'ain Zaiton	UiTM Cawangan Johor
8.	Abstract Book 3 <sup>rd</sup> Digitalised International Invention, Innovation and Design Johor 2020	Siti Aishah Taib	UiTM Cawangan Johor
9.	<i>Jalan Terus</i>	Dr. Mahfuzah Binti Mohammed Zabidi	Academy of Contemporary Islamic Studies

Table 5.1.2 List of chapters in books published in 2020

SEGAMAT CAMPUS			
NO.	TITLE	AUTHOR/S	PUBLISHER
1.	The Interdisciplinary of Management, Economic and Social Research. Malaysia's Household Debt Dilemma	i. Ferri Nasrul ii. Mohamad Azwan Md Isa iii. Mohd Khairul Ariff Noh iv. Siti Salwa Hassan v. Suhana Mohamed vi. Wan Muhd Faez Wan Ibrahim	Kaizentrenovation Sdn Bhd
2.	Service and Operation Management Series 2 Financial Performance of Public Listed Private Healthcare in Malaysia using Data Envelopment Analysis (DEA)	Ts. Dr. Rashidah Mokhtar	UTHM
3.	Service and Operation Management Series 2 - The use of Information and Communication Technology in Teaching and Learning Operation by Academicians at Higher Education Institution	i. Mazlyda Abd Rahman ii. Mohd Hanafi Azman Ong iii. Nur Huda Jaafar iv. Ts. Dr. Rashidah Mokhtar v. Zuriati Ismail @ Khori	UTHM

NO.	TITLE	AUTHOR/S	PUBLISHER
4.	Service and Operation Management Series 2 - The Development of Autonomous Flash Flood Monitoring and Detection Simulation using Multi-Agent System	i. Nur Huda Jaafar ii. Nurzeatul Hamimah Abdul Hamid	UTHM
5.	Error Treatment: Preferences of Low Proficiency English Language Learners	Siti Zarikh Sofiah Abu Bakar	UTHM
6.	Governance and Integrity: Framework for the Public and Private Sectors Positioning Green Supply Chain Management within the Corporate Environmental Governance Framework	i. Dr. Noor Sufiawati Khairani ii. Normala Sulaiman iii. Fairuz Husna Mohd Yusoff	Bloomsbury Publishing India PVT. LTD.
7.	<i>Panduan Fasilitator Modul Cerdik Niaga Modul 2: Jejak Usahawan</i>	i. Rosmah Abd Ghani @ Ismail ii. Siti Nordiyana Isahak	MASMED, UiTM Cawangan Johor
8.	<i>Panduan Fasilitator Modul Cerdik Niaga Modul 7: Mari Berniaga</i>	i. Jannah Munirah Mohd Noor ii. Shafiee Md Tarmudi iii. Zurina Omar	MASMED, UiTM Cawangan Johor
9.	<i>Analitika Akademia Kewangan: Selaras Portfolio Pelaburan Imbangi VUCA</i>	Tay Bee Hong	UiTM Cawangan Johor
10.	<i>Analitika akademia Viral Oh Viral</i>	Alizah Ali	UiTM Cawangan Johor
11.	<i>Analitika Akademia - Perkahwinan Bawah Umur : daripada Sudut Perundangan dan Medik</i>	Alizah Ali	UiTM Cawangan Johor
12.	<i>Analitika Akademia - Perhatikan Permainan Video Anak Kita</i>	Alizah Ali	UiTM Cawangan Johor

NO.	TITLE	AUTHOR/S	PUBLISHER
13.	<i>Analitika Akademia - Hukuman Sebatan Tidak Seperti Dalam Filem Semerah Padi</i>	Alizah Ali	UiTM Cawangan Johor
14.	<i>Kewangan dan Pengurusan Harta Dalam Masyarakat Islam Kontemporari - Inovasi Pembangunan Wakaf di Malaysia: Satu Tinjauan</i>	Dr. Mohamad Zaim Ismail	Universiti Sultan Zainal Abidin
15.	<i>Panduan Fasilitator Modul Cerdik Niaga Modul 5: Cerdik Pemasaran</i>	Zurina Omar	MASMED, UiTM Cawangan Johor
16.	<i>Program Homestay dan Pembangunan Komuniti Luar Bandar di Malaysia - Isu Penyeragaman dalam Kualiti Perkhidmatan Program Homestay dan Kewajarannya di Malaysia</i>	i. Noreen Noor Abd Aziz ii. Zurina Omar	UUM PRESS
17.	<i>Angin Pangkor Sehalaman Berita</i>	Nazhatulshima Nolan	Persatuan Pemuisi Nasional Malaysia (PEMUISI)
18.	<i>Angin Pangkor - Melukis Pingat</i>	Nazhatulshima Nolan	Persatuan Pemuisi Nasional Malaysia (PEMUISI)
19.	<i>Angin Pangkor - Renjana Senja Semalam</i>	Nazhatulshima Nolan	Persatuan Pemuisi Nasional Malaysia (PEMUISI)
20.	<i>Angin Pangkor - Memanusiakan Manusia</i>	Nazhatulshima Nolan	Persatuan Pemuisi Nasional Malaysia (PEMUISI)
21.	<i>Angin Pangkor - Lakaran Lautan Hati</i>	Nazhatulshima Nolan	Persatuan Pemuisi Nasional Malaysia (PEMUISI)
22.	<i>Diam Yang Lantang - Jajahan Diam yang Lantang</i>	Nazhatulshima Nolan	Pekan Ilmu Publications

NO.	TITLE	AUTHOR/S	PUBLISHER
23.	<i>Diam Yang Lantang - Bicara Laut, Langit dan Rumput</i>	Nazhatulshima Nolan	Pekan Ilmu Publications
24.	<i>Diam Yang Lantang - Airmata Mengangkasa</i>	Nazhatulshima Nolan	Pekan Ilmu Publications
25.	<i>Diam Yang Lantang - Dakwat Merah dan Angka</i>	Nazhatulshima Nolan	Pekan Ilmu Publications
26.	<i>Diam Yang Lantang - Musim Saling Berlawan</i>	Nazhatulshima Nolan	Pekan Ilmu Publications
27.	<i>Diam Yang Lantang - Aku Tidak Mahu Menonton Berita</i>	Nazhatulshima bt Nolan	Pekan Ilmu Publications

PASIR GUDANG CAMPUS			
NO.	TITLE	AUTHOR/S	PUBLISHER
1.	<i>Awak Ingat Awak Siapa</i>	Dr. Mahfuzah Mohammed Zabidi	UiTM Cawangan Johor
2.	3r Eco Friendly Dustbin	Dr. Nor Diyana Md Sin	UiTM Cawangan Johor
3.	A Study On Oleo Bingo: An Interactive Game For Oleochemical Technology	Ts. Mohammad Abdullah	UiTM Cawangan Kelantan
4.	<i>Arus Kehidupan</i>	i. Siti Fairuz Sujak ii. Rohaya Sulaiman iii. Dr. Mahfuzah Mohammed Zabidi	SYFE Management
5.	Bearing Strength of Concrete Blocks with External Wrapping of Carbon Fibre Reinforced Plastic (CFRP)	Dr. Lee Siong Wee	Springer Nature Singapore PTE LTD
6.	Bearing Strength of Reinforced Concrete Blocks Axially Loaded Through Various Sizes of Steel Plates	Dr. Lee Siong Wee	Springer, Singapore

NO.	TITLE	AUTHOR/S	PUBLISHER
7.	<i>Cabaran Pendidikan Islam Semasa Covid-19</i>	Dr. Mahfuzah Mohammed Zabidi	Syahida Hassan Enterprise
8.	<i>Cuti Yang Produktif</i>	Nurul 'ain Haris	Persatuan Penulis Johor
9.	Development of Prototype for Residential Cleaning Work using Hydraulic Approach: Hydromaid	Ainaa Maya Munira Ismail	UiTM Cawangan Kelantan
10.	Door Alarm System with IOT	Dr. Nor Diyana Md Sin	UiTM Cawangan Johor
11.	<i>Gunung Berapi Mutiara Rini</i>	Dr. Mahfuzah Mohammed Zabidi	UiTM Cawangan Johor
12.	Hydroponic of Things	Dr. Mohamad Zhafran Hussin	UiTM Cawangan Johor
13.	IOT Based Interfacing Module for Industrial Instrumentation Course: a Low-cost Acquisition Device as Practical Teaching Tools	Nur Dalila Khirul Ashar	UiTM Cawangan Kelantan
14.	Innovation Insights 2020 (1 <sup>st</sup> Series)	Mazleenda Mazni	UiTM Cawangan Johor
15.	<i>Kotak Pensel Smiggle</i>	Aishah Mahat	Pena NAA Resources
16.	Malaysia's Household Debt Dilemma	Suhana Mohamed	Kaizentrenovation Sdn Bhd
17.	Mechanical Properties of Engineered Cementitious Composite (ECC): An Overview	Dr. Lee Siong Wee	Springer Nature Singapore PTE LTD
18.	Mini-mushroom Weather Station	Dr. Nor Diyana Md Sin	UiTM Cawangan Johor
19.	Module 4: Basic Electrical Measurement	Rozi Rifin	Politeknik Metro Tasek Gelugor
20.	Pesticide Wheel Pump (PWP) Sprayer	Haszeme Abu Kasim	UiTM Cawangan Kelantan
21.	<i>Pijar Hati Murabbi</i>	Dr. Mahfuzah Mohammed Zabidi	UiTM Cawangan Johor

NO.	TITLE	AUTHOR/S	PUBLISHER
22.	<i>Rumah Kecil di Hujung Jalan</i>	Aishah Mahat	Pena NAA Resources
23.	<i>Segalanya Bermula dari Hati</i>	Aishah Mahat	Nuha Creative Resources
24.	Simulation of Flow Profile Response to Alternate Bar Formation in Rivers	Mohd Zulkhairi Mat Salleh	Springer
25.	Slice-it-nice, Portable Automatic Multi Food Slicer	Norhisyam Jenal	UiTM Cawangan Kelantan
26.	Smart Weight Monitoring System of Gas Cylinderbased on IoT Technology	Nur Dalila Khirul Ashar	UiTM Cawangan Kelantan
27.	The Existence of Idiosyncratic Risk in Reits Market	Suhana Mohamed	Kaizentrenovation Sdn Bhd
28.	Tribological Behaviour of Nanoclay-filled Basalt Fiber-reinforced Polymer Composites	Hazim Sharudin	Elsevier
29.	I-Jasin Multimedia and Computer Science Invention And Innovation Exhibition ( I-JAMCSIIX 2020)	Mohamad Zhafran Hussin	I-JAMCSIIX

## 5.2 TYPES OF PUBLICATIONS

Table 5.2.1 lists the types and number of publications from UiTM CJ. General publications contribute the most for the total number of publications.

Table 5.2.1 Types of publications from UiTM CJ

NO.	TYPES OF PUBLICATION	SEGAMAT CAMPUS	PASIR GUDANG CAMPUS	TOTAL
1.	Books	14	9	23
2.	Chapter in Books	28	29	57
3.	Indexed Journals	62	51	113
4.	Indexed Conference Proceedings	4	29	33
5.	General Publications	310	152	462



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## 6. INDUSTRY AND COMMUNITY LINKAGES

## SECTION 6 INDUSTRY AND COMMUNITY LINKAGES

### 6.0 INTRODUCTION

The university pioneers the transfer of knowledge and technology in developing the nation's economy apart from maintaining the sustainability of resources, culture, society and nature. Strategic cooperation between the university and the industries can contribute towards the enhancement and improvement of living standards of the local community as well as the country as a whole.

### 6.1 INDUSTRIAL AND COMMUNITY ACTIVITIES

UiTMCJ has collaborated with various local and international industries to implement scholarly activities, the sharing of expertise, consultation and even community services as shown in table 6.1.1

Table 6.1.1 shows the list of industrial and community activities in 2020

SEGAMAT CAMPUS				
NO.	ACTIVITIES	DATE	VENUE	COLLABORATION/SPONSOR
1.	<i>Jalinan Kasih Aidilfitri UiTM Caw. Johor</i>	20 May 2020	Hospital Segamat	Hospital Segamat and Pensyarah UiTM Caw. Johor
2.	<i>Sumbangan Komputer kepada Sekolah Agama Bandar Segamat</i>	24 Jun 2020	UiTM Cawangan Johor	-
3.	<i>Pengurusan Kewangan dalam Norma Baharu</i>	16 Jul 2020	Google Meet	Bank Islam Malaysia Berhad
4.	Sharing Sessions and Khind Starfish Foundation Fund Application Tips	22 Jul 2020	Google Meet	-
5.	Digital Career Coaching: Let's Boost Your Employability Skills"	27 Jul 2020	Google Meet	Jobs Malaysia
6.	Collaboration Discussion between UiTM Caw. Johor and Waqaf An Nur	7 Sep 2020	Menara Komtar Johor Bahru	Waqaf An Nur Yayasan Johor Corporation

NO.	ACTIVITIES	DATE	VENUE	COLLABORATION/SPONSOR
7.	Global Online Workforce (GLOW) " Virtual Training"	27 Sep 2020	Google Meet	Jobs Malaysia
8.	The Impact & Challenges of Covid 19 Pandemic to Malaysian & Indonesian borrowers	29 Sep 2020	Google Meet	Universitas Bangkulu, Indonesia
9.	Digital Roundtable: CEO Sharing Session	7 Oct 2020	Google Meet	Jobs Malaysia
10.	<i>Bicara Minda Inovatif Bersama Industri @Fakulti Siri I</i>	18 Oct 2020	CISCO Webex	Bank Islam Malaysia Berhad
11.	Strategic Collaboration and Way Forward	27 Oct 2020	CISCO Webex	Indonesia Banking School
12.	Lecture on the Net	27 Oct 2020	zoom	Indonesia Banking School
13.	Digital Career Talk: Self-Grooming & Job Hunt Preparation	5 Nov 2020	Google Meet	Jobs Malaysia
14.	<i>Bicara Minda Inovatif Bersama Industri @Fakulti Siri II</i>	9 Nov 2020	CISCO Webex	Bank Islam Malaysia Berhad
15.	<i>Webinar Mari Melabur @ UiTM bersama CGS CIMB</i>	9 Nov 2020	CISCO Webex	CGS CIMB
16.	Career Preparation Workshop	12 Nov 2020	Google Meet	Jobs Malaysia
17.	Embracing Uncertainty as the New Normal: a risk Management Perspective	16 Nov 2020	CISCO Webex	Universitas Bhayangkara Jakartaraya
18.	Lecture on the Net	17 Nov 2020	CISCO Webex	Indonesia Banking School
19.	<i>Kunjungan Hormat Pihak HEA dan BPJIA ke Pejabat Pegawai Daerah Segamat</i>	13 Dec 2020	Pejabat Pegawai Daerah Segamat	Pejabat Daerah Segamat

NO.	ACTIVITIES	DATE	VENUE	COLLABORATION/SPONSOR
20.	Collaboration Discussion between UiTM Caw Johor and Jabatan Pertanian Negeri Johor	16 Dec 2020	UiTM Cawangan Johor Segamat Campus	Jabatan Pertanian Negeri Johor

PASIR GUDANG CAMPUS				
NO.	ACTIVITIES	DATE	VENUE	COLLABORATION/SPONSOR
1.	Collaboration Discussion with Hayrat Foundation	11 Feb 2020	UiTM Pasir Gudang	Hayrat Foundation
2.	Collaboration and Letter of Intent Signing Ceremony between UiTM and Majlis Daerah Mersing	27 - 29 Feb 2020	Kampung Tanjung Balang, Pulau Tinggi, Mersing	RTM Johor and Majlis Daerah Mersing
3.	<i>Jom Jelajah UiTMPG Siri 1/2020</i>	5 Mar 2020	UiTM Cawangan Johor Pasir Gudang Campus	Jabatan Kemajuan Orang Asli Johor and Kampung Orang Asli Kuala Masai, Pasir Gudang
4.	Collaboration Discussion with Akademi Komunitas Penabulu Samudra Wiyata (AKPSW), Pulau Bawean, Surabaya, Indonesia	11 Mar 2020	UiTM Cawangan Johor Pasir Gudang Campus	Akademi Komunitas Penabulu Samudra Wiyata (AKPSW), Pulau Bawean, Surabaya, Indonesia
5.	<i>Bootcamp Mahasiswa Harapan Masyarakat 2020</i>	13 – 16 Mar 2020	Pusat Bina Semangat YPJ Sekakap Mersing	Yayasan Pelajaran Johor
6.	<i>Beefriendz Project of Mahasiswa Harapan Masyarakat 2020</i>	Mar 2020 – Feb 2021	Kampung Melayu Raya, Pontian	Community of Kampung Melayu Raya, Pontian, Johor, Persatuan and Yayasan Pelajaran Johor

NO.	ACTIVITIES	DATE	VENUE	COLLABORATION/SPONSOR
7.	iV-STEM @ Volunteer STEM Project of <i>Mahasiswa Harapan Masyarakat 2020</i>	Mar 2020 – Feb 2021	Sekolah Kebangsaan Taman Rinting 1, Pasir Gudang and Sekolah Kebangsaan Khir Johari, Johor Bahru	Sekolah Kebangsaan Taman Rinting 1, Pasir Gudang and Sekolah Kebangsaan Khir Johari, Johor Bahru and Yayasan Pelajaran Johor
8.	Gen-Uniqpreneur UiTM Pasir Gudang Project of <i>Mahasiswa Harapan Masyarakat 2020</i>	Mar 2020 – Feb 2021	Taman Scientex, Pasir Gudang.	Yayasan Pembangunan Keluarga Darul Takzim (YPKDT), Yayasan Pelajaran Johor, Jabatan Kebajikan Masyarakat, Johor
9.	Collaboration and Memorandum of Understanding Signing Ceremony between UiTM and Majlis Bandaraya Pasir Gudang	30 Aug 2020	Menara Aqabah, Majlis Bandaraya Pasir Gudang	Majlis Bandaraya Pasir Gudang
10.	Collaboration discussion and LOI Signing with Nasdeem Venture Sdn Bhd	21 Oct 2020	Pejabat Nasdeem Ventures Sdn Bhd	Nasdeem Ventures Sdn Bhd
11.	Online Webinar Series 1: <i>Integrasi Sains dan Al-Quran Menurut Imam Said Nursi by Yusof Kara</i>	2 Dec 2020	Webex & Youtube_	Hayrat Foundation
12.	Celebrity Online Webinar: <i>Mahasiswa Versatil Rebutan Majikan</i>	4 Dec 2020	Google Meet	Abdul Muttaleeb Mizad (Arkitek, Usahawan, Selebriti dan Presiden Kelab Penyokong Manchester City Malaysia)
13.	Online Webinar Series 2: <i>Kebangkitan Generasi AI-Fateh: Apa Peranan Pendidik di IPT? By Ustaz Celal Akar</i>	9 Dec 2020	Webex & Youtube	Hayrat Foundation
14.	Online Webinar <i>Cakna OKU: Peranan Perubatan Rehabilitasi Kepada Golongan OKU</i>	14 Dec 2020	Google Meet & Facebook Live	Dr. Lee Chon Kit (Pakar Perubatan Rehabilitasi, Hospital Sultan Ismail, Johor Bahru)

NO.	ACTIVITIES	DATE	VENUE	COLLABORATION/SPONSOR
15.	Online Webinar Series 3: <i>Jejak Turki Uthmaniyyah di Nusantara dan Hubungan dengan Kesultanan Tanah Melayu: Kajian Manuskrip</i> by Ustaz Syafii	16Dec 2020	Youtube:	Hayrat Foundation
16.	Online Webinar <i>Cakna OKU: Langkah Penjagaan OKU</i>	17 Dec 2020	Google Meet & Facebook Live Gen- Uniqprener- UiTM Cawangan Johor Pasir Gudang Campus	Dr. Lee Chon Kit ( <i>Pakar Perubatan Rehabilitasi</i> , Hospital Sultan Ismail, Johor Bahru)
17.	Online Webinar <i>Cakna OKU: Biz Start-Up Challenge</i>	18Dec 2020	Google Meet & Facebook Live Gen- Uniqprener- UiTM Cawangan Johor Pasir Gudang	Dr. Ruzimi Mohamed @ Mahmod ( <i>Usahawan Teknologi &amp; Penceramah Motivasi</i> )
18.	Online Webinar Series 4: <i>Kesukarelawanan Khidmat Belia: Pengalaman Hayrat Foundation: Ustaz Sadik Ozata</i>	23Dec 2020	Webex & YouTube	Hayrat Foundation
19.	Online Webinar iV-STEM 2020: Microsoft in Education	24 Dec 2020	Google Meet_ & Facebook IVSTEM UiTMPG	Cikgu Mohd Fadzli Ishak ( <i>Global Award Teacher 2020</i> )

## 6.2 MEMORANDUM OF UNDERSTANDING / AGREEMENT AND LETTER OF INTENT

UiTMCJ has collaborated and signed several Lol's, MoU and MoA with national and international organisations who are the key players in the related fields as displayed in Table 6.2.1.

Table 6.2.1 List of MoU, MoA and Lol

NO.	UNIVERSITY / ORGANISATION	COUNTRY	DATE	DURATION	PROJECT LEADER
1.	Majlis Daerah Mersing	Malaysia	27 Feb 2020	3 years (Lol)	Suhana Mohamed Faculty of Business and Management
2.	Majlis Bandaraya Pasir Gudang	Malaysia	30 Aug 2020	3 years (MoU)	Ts. Mohammad Abdullah Faculty of Chemical Engineering
3.	Nasdeem Ventures Sdn Bhd	Malaysia	21 Oct 2020	3 years (LOI)	Dr. Muhammad Asraf Hairuddin Faculty of Electrical Engineering
4.	Universiti Kebangsaan Malaysia, Universiti Sultan Zainal Abidin, Universiti Sains Malaysia and International Center for Space Weather Science and Education, Kyushu University	Malaysia and Japan	30 Oct 2020	5 years (MoA)	Dr. Muhammad Asraf Hairuddin Faculty of Electrical Engineering
5.	CGS CIMB	Malaysia	19 Nov 2020	2 years (MoU)	Syamsyul Samsudin Faculty of Business and Management
6.	Standard Chartered Saadiq Berhad	Malaysia	14 Dec 2020	2 years (MoA)	Syamsyul Samsudin Faculty of Business and Management
7.	Universiti Teknologi Malaysia and Universiti Tun Hussein Onn Malaysia	Malaysia	15 Dec 2020	2 years (MoA)	Ir. Ts. Azinoor Azida Abu Bakar Faculty of Civil Engineering

Some of the related activities are shown in Fig. 6.2.1 – 6.2.16.



**Fig. 6.2.1 Collaboration discussion between UiTM Caw. Johor and Waqaf An Nur**



**Fig. 6.2.2 Kunjungan hormat pihak HEA dan BPJIA ke Pejabat Pegawai Daerah Segamat**





**Fig. 6.2.3 Collaboration Discussion between UiTM Cawangan Johor and Jabatan Pertanian Negeri Johor**



**Fig. 6.2.4 MoU signing ceremony between UiTM and Standard Chartered Saadiq Berhad**



Fig. 6.2.5 MoU signing ceremony between UiTM and CGS CIMB



Fig. 6.2.6 Program Jalinan Kasih Aidilfitri UiTM Caw. Johor



**Fig. 6.2.7 Sumbangan komputer kepada Sekolah Agama Bandar Segamat**



**Fig. 6.2.8 Collaboration discussion between UiTM and Hayrat Foundation, Turkey**



Fig. 6.2.9 Collaboration and Lol signing ceremony at Pulau Tinggi, Mersing



Fig. 6.2.10 Campus site visit during *Jom Jelajah UiTMPG Siri 1/2020*



**Fig. 6.2.11 Collaboration discussion between UiTM and AKPSW**



**Fig. 6.2.12 Beefriendz project members with community of Kampung Melayu Raya, Pontian and Yayasan Pelajaran Johor**



Fig. 6.2.13 iV-STEM@Volunteer STEM project members



Fig. 6.2.14 Gen-Uniqpreneur discussion with Taman Sinar Harapan



**Fig. 6.2.15 MoU signing ceremony between UiTM and Majlis Bandaraya Pasir Gudang**



**Fig. 6.2.16 Collaboration engagement with Nasdeem Ventures Sdn Bhd**

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7. ALUMNI



## SECTION 7 ALUMNI

### 7.0 INTRODUCTION

Every year, UiTMCJ produces a large number of graduates. The graduates are automatically registered as alumni of UiTMCJ. The graduates' academic data are being stored in a system known as e-Alumni. This system allows graduates to access, view and update their information especially related to their current occupations.

### 7.1 STATISTIC ON GRADUATES EMPLOYABILITY

The Alumni Unit is also concerned about graduate's employability. Therefore, the data of employability is always under their attention. Table 7.1.1 shows the data of graduate's employability for Segamat and Pasir Gudang Campuses. Table 7.1.1 shows 82.7% of graduates (diploma and degree) are employed at Segamat Campus and 95.2% of graduates (diploma, degree, master ) at Pasir Gudang Campus. This is an indicator to prove that UiTMCJ has taken several efforts in order to structure the relevant curriculum (academic and non-academic) to ensure most students are employed after they graduate.

Table 7.1.1 Graduate employability for Segamat and Pasir Gudang Campuses in 2020

SEGAMAT CAMPUS								
LEVEL	PROGRAM CODE	EMPLOYED		FURTHER STUDY		UNEMPLOYED		GRADUATE EMPLOYABILITY (%)
		NUM	%	NUM	%	NUM	%	
DIPLOMA	AC110	15	24.2	39	62.9	8	12.9	87.1
	BM111	10	28.6	21	60.0	4	11.4	88.6
	BM114	4	21.1	12	63.2	3	15.8	84.2
	BM119	8	40.0	12	60.0	0	0.0	100.0


LEVEL	PROGRAM CODE	EMPLOYED		FURTHER STUDY		UNEMPLOYED		GRADUATE EMPLOYABILITY (%)
		NUM	%	NUM	%	NUM	%	
	CS110	3	25.0	8	66.7	1	8.3	91.7
	CS143	4	28.6	9	64.3	1	7.1	92.9
	IM110	5	22.7	9	40.9	8	36.4	63.6
TOTAL (DIPLOMA)		<b>49</b>	<b>26.6</b>	<b>110</b>	<b>59.8</b>	<b>25</b>	<b>13.6</b>	<b>86.4</b>
DEGREE	BA249	3	60	0	0	2	40	60
	BA251	7	100	0	0	0	0	100
	BM220	1	100	0	0	0	0	100
	BM240	45	83.3	1	1.9	8	14.8	85.2
	BM242	50	78.1	1	1.6	13	20.3	79.7
	BM249	60	80	3	4	12	16	84
	BM251	4	66.7	0	0	2	33.3	66.7
	IM246	20	62.5	0	0	12	37.5	62.5
TOTAL (DEGREE)		<b>190</b>	<b>77.9</b>	<b>5</b>	<b>2</b>	<b>49</b>	<b>20.1</b>	<b>79.9</b>
<b>TOTAL</b>		<b>239</b>	<b>55.8</b>	<b>115</b>	<b>26.9</b>	<b>74</b>	<b>17.3</b>	<b>82.7</b>

PASIR GUDANG CAMPUS								
LEVEL	PROGRAM CODE	EMPLOYED		FURTHER STUDY		UNEMPLOYED		GRADUATE EMPLOYABILITY (%)
		NUM	%	NUM	%	NUM	%	
DIPLOMA	BM117	53	29.8	109	61.2	16	9.0	91.0
	EC110	77	18.3	326	77.2	19	4.5	95.5
	EE110	11	15.1	59	80.8	3	4.1	95.9
	EE111	34	24.8	96	70.1	7	5.1	94.9
	EE112	18	20.9	60	69.8	8	9.3	90.7
	EH110	21	7.9	236	88.4	10	3.7	96.3
	EM110	84	19.4	333	76.7	17	3.9	96.1
TOTAL (DIPLOMA)		<b>298</b>	<b>18.7</b>	<b>1219</b>	<b>76.3</b>	<b>80</b>	<b>5.0</b>	<b>95.0</b>
DEGREE	BM242	65	100.0	0	0.00	0	0.00	100.0
TOTAL (DEGREE)		<b>65</b>	<b>100.0</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0.00</b>	<b>100.0</b>
MASTER	AA701	27	96.4	0	0.00	1	3.6	96.4
TOTAL (MASTER)		<b>27</b>	<b>96.4</b>	<b>0</b>	<b>0.00</b>	<b>1</b>	<b>3.6</b>	<b>96.4</b>
<b>TOTAL</b>		<b>390</b>	<b>23.1</b>	<b>1219</b>	<b>72.1</b>	<b>81</b>	<b>4.8</b>	<b>95.2</b>


## 7.2 ALUMNI ACTIVITIES

Alumni Unit has organized several activities such as workshops, talks and gatherings as shown in table 7.2.1. A strong bond between alumni and UiTM is the main objective for each event to create a self-belonging to UiTM.

Table 7.2.1 List of activities conducted by Alumni Unit UiTM

<b>SEGAMAT CAMPUS</b>	
NO.	<b>ALUMNI ACTIVITIES (DATE/VENUE/COLLABORATION/SPONSOR/LEVEL)</b>
1.	<p style="text-align: center;"><b>Alumni Prihatin 2020</b> <b>18 Jul 2020</b> <b>Rumah Alumni, UiTM</b></p> <ul style="list-style-type: none"> <li>The purpose of this program was to distribute the fund to students in asnaf categories. The list of students as asnaf was given by Unit Hal Ehwal Islam, UiTM. The 24 students listed involved were degree (12) and diploma (12) students.</li> <li>The fund received from the alumni was in terms of money. The amount collected was around RM6,000.00.</li> </ul> 

NO.	ALUMNI ACTIVITIES (DATE/VENUE/COLLABORATION/SPONSOR/LEVEL)
2.	<p style="text-align: center;"><b>Webinar C2C (Campus to Career)</b> <b>8 Nov 2020</b> <b>Cisco Webex</b></p> <ul style="list-style-type: none"> <li>• This program was set up by the Alumni Unit with alumni who have had successful careers.</li> <li>• The purpose was to give exposure to the final year students in the working environment. It was also to help students prepare to enter the labor market.</li> <li>• The selection of speakers was related to the topic and she was also an alumni of UiTMCJ.</li> <li>• The number of participants was around 877 students.</li> </ul>  <p>The poster for the 'ALUMNI WEBINAR C2C (CAMPUS TO CAREER)' is dated 8 NOV 2020 from 11.00 PGI to 1.00 TGH. It features a QR code and a photo of the speaker, Puan Nurul Syuhada Ahmad Tajudin, a Senior HR Executive at W&amp;S Plastics (Malaysia) Sdn Bhd. The poster also lists the meeting link, number, and password. The event is organized by the Alumni Unit of UiTM Cawangan Johor.</p>

NO.	ALUMNI ACTIVITIES (DATE/VENUE/COLLABORATION/SPONSOR/LEVEL)
3.	<p style="text-align: center;"><b>RUMAH ALUMNI, UiTM CAWANGAN JOHOR</b> <b>(A long the year activity)</b></p> <ul style="list-style-type: none"> <li>• Rumah Alumni is a center for Unit Alumni, JASA (Johor Alumni Students Association) and Alumni Association to run the meetings and programmes.</li> <li>• The communal work is set up twice a year at Rumah Alumni. It is to ensure that Rumah Alumni is comfortable to be used.</li> </ul> 

PASIR GUDANG CAMPUS

NO.

ALUMNI ACTIVITIES  
(DATE/VENUE/COLLABORATION/SPONSOR/LEVEL)

1.

**Sesi Bersama Alumni FKE 1<sup>st</sup> Series**  
**Organized by the Faculty of Electrical Engineering**  
**UiTM Cawangan Johor Pasir Gudang Campus**  
**3 Dec 2020**  
**Google Meet**

- Participants enjoyed listening to the tips on becoming an excellent student and how to learn effectively through ODL and other partnerships.



Universiti Teknologi MARA Cawangan Johor Kampus Pasir Gudang

## SESI BERSAMA ALUMNI FKE

**MUHAMMAD IKRAM**  
Electrical Engineer

Sesi Khas bersama  
DR. NURHANI KASUAN

**KADER SADDIQ**  
Pelajar Ijazah Sarjana Muda

Moderator Anda  
Muhammad Syafiq Farhan  
Pelajar FKE Semester 3

Meet  
<https://bit.ly/alumnifke1>  
3 Disember 2020 | 10 am - 12 pm

Anjuran Fakulti Kejuruteraan Elektrik  
UiTM Cawangan Johor, Kampus Pasir Gudang

UiTM di hatiku



Universiti Teknologi MARA Cawangan Johor Kampus Pasir Gudang

## SESI BERSAMA ALUMNI FKE

Meet 3 Disember 2020 | 10 am - 12 pm

**MUHAMMAD IKRAM**  
Electrical Engineer

**KADER SADDIQ**  
Pelajar Ijazah Sarjana Muda

Sesi Khas bersama  
DR. NURHANI KASUAN



Moderator Anda  
Muhammad Syafiq Farhan  
Pelajar FKE Semester 3

Participants in the meeting: Syafiq Farhan, Mohd Ikram, ZAMAR AZUL, Saddiq Kader, DR. NURHANI KASUAN, MOHD EZWA..., Muhammad..., MUHAMMA..., syahinoger, Fakhrur Hafzi, KAMARU AD..., nur syazana..., Amelia Adrin..., Luqman Zulk..., Muhammad..., fakhruddin al..., qaisarah am..., Rasydan Ras..., HAFIZI AKM..., hasifahmi ra...

*Thank you for your participation*

Anjuran Fakulti Kejuruteraan Elektrik  
UiTM Cawangan Johor, Kampus Pasir Gudang

UiTM di hatiku f t i fkeuitmpg

NO.	ALUMNI ACTIVITIES (DATE/VENUE/COLLABORATION/SPONSOR/LEVEL)
	<p style="text-align: center;"><b>Sesi Bersama Alumni FKE 2<sup>nd</sup> Series</b>  <b>Organized by the Faculty of Electrical Engineering</b>  <b>UiTM Cawangan Johor Pasir Gudang Campus</b>  <b>16 Dec 2020</b>  <b>Google Meet</b></p> <ul style="list-style-type: none"> <li>• Participants enjoyed listening to the sharing of experiences and input by outstanding students.</li> <li>• Participants took the opportunity to ask questions to the panellists.</li> </ul>  



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8. MASMED

## SECTION 8 MASMED

### 8.0 INTRODUCTION

MASMED is an important unit in generating the entrepreneurship culture among students of UiTM CJ. A lot of activities and programmes were conducted where the involvement of the stakeholders helped to instil interest in entrepreneurship among the students and staff as well.

### 8.1 PROGRAMMES AND ACTIVITIES

Table 8.1.1 summarises the activities and programmes conducted by MASMED UiTM CJ Segamat and Pasir Gudang campuses respectively. A total of 26 activities from Segamat Campus and 12 from Pasir Gudang Campus were done at university, national and international levels. These activities showcased the endless efforts undertaken by this unit to achieve its main goal which is to develop entrepreneurial graduates.

MASMED had planned a lot of programs and activities throughout the year of 2020. However, due to Covid-19 pandemic globally, most of the programs and activities have been postponed until next year. We also adjusted some of our programs such as from normal talk or workshop to the new norm using the internet for webinar using Google Meet, Webex etc. Yet, we managed to complete some of the programmes and activities with the collaboration from inside and outside of UiTM CJ such as ACIS, Hal Ehwal Akademik, Majlis Perwakilan Pelajar, FAMA, SSM, Nadcase Trading & Consultancy and Beefriendz.

Table 8.1.1 List of programmes conducted by MASMED UiTM CJ

SEGAMAT CAMPUS					
NO.	ACTIVITIES	DATE	VENUE	COLLABORATION / SPONSOR	LEVEL
1.	Meeting and Workshop with The Entrepreneurial Coordinator at Malaysian Academy of SME & Entrepreneurship Development (MASMED), UiTM Shah Alam	29 - 31 Jan 2020	Dash Box Hotel, Cyberjaya	MASMED, UiTM Shah Alam	UiTM
2.	<i>Modul Keusahawanan INTERIM</i>	22 Jan – 19 Feb 2020	Dewan Sri Peria, UiTM CJ	UiTM CJ Segamat Campus	UiTM
3.	<i>Ceramah Pendedahan Keusahawanan Modul Keusahawanan Interim (Changemakers Mind Set Simulation)</i>	2 Feb 2020	Dewan Sri Peria, UiTM CJ	UiTM CJ Segamat Campus	UiTM

NO.	ACTIVITIES	DATE	VENUE	COLLABORATION / SPONSOR	LEVEL
4.	<i>Bengkel Penerbitan Modul Cerdik Niaga MASMED 2020</i>	6 Feb 2020	Koptown Hotel, Segamat	-	UiTM
5.	Southern Business Simulation Challenge (SBSC) 2020	1 - 3 Mar 2020	Azman Hashim International Business School (AHIBS), UTM	Pusat Inovasi Mahasiswa dan Keusahawanan Teknologi UTM (UTM XCITE) dengan kerjasama AHIBS	National
6.	<i>Program Diskusi Peluang-Peluang Perniagaan dan Kerjasama Strategik Bersama FAMA Johor</i>	4 Mar 2020	Bilik Mesyuarat Utama, (BMU)	FAMA Negeri Johor	UiTM
7.	Program Online Business Springboard Peringkat Zon Selatan 2020	6 – 8 Mar 2020	The Straits Hotel & Suites, Melaka	MASMED, UiTM Shah Alam	National
8.	ETC used Book Bundle for Freshmen	1 – Mar 2020	<i>Speaker's Corner</i> UiTM CJ Segamat Campus	HEP, UiTM CJ	UiTM
9.	Bizbox	Throughout the semester starting 1 Jan 2020	Blok U, C, I, SL & BK, UiTM CJ	-	UiTM
10.	3 <sup>rd</sup> Paradigma Johor Magazine Publication	31 May 2020	-	-	UiTM
11.	<i>Siri Webinar MASMED UiTM CJ 2020</i> i. <i>Berniaga Musim PKP.</i> ii. <i>SocMED Zero Cost Biz</i>	9 & 16 Jun 2020	YouTube MASMED JDT	-	UiTM
12.	<i>Bengkel Task Force Keusahawanan: Projek Khas Naib Canselor MASMED UiTM Shah Alam</i>	15 – 17 Jun 2020	MASMED, UiTM Shah Alam	MASMED, UiTM Shah Alam	UiTM

NO.	ACTIVITIES	DATE	VENUE	COLLABORATION / SPONSOR	LEVEL
13.	<i>Program Jaringan Kolaborasi Keusahawanan UiTM CJ, Lembaga Perindustrian Nanas Malaysia (LPNM) dan FAMA Negeri Johor</i>	30 Jun 2020	LPNM, Bandar Baru Uda, Johor Bahru	Lembaga Perindustrian Nanas Malaysia (LPNM)	National
14.	<i>Program Kolaborasi Keusahawanan Tanaman Nanas MD2 dan Lawatan Tapak ke Ladang Nanas Alumni UiTM CJ</i>	5 Jul 2020	UiTM CJ	UiTM CJ Segamat Campus	UiTM
15.	<i>Penerbitan Buku Panduan Fasilitator Modul Cerdik Niaga</i>	14 Jul 2020	-	-	UiTM
16.	<i>Lawatan Kerja Penolong Naib Canselor (Keusahawanan) di UiTM Cawangan Johor</i>	14 July 2020	Bilik Mesyuarat Utama (BMU), UiTM CJ	MASMED, UiTM Shah Alam	UiTM
17.	<i>Lawatan Penanda Aras UiTM Cawangan Johor ke UiTM Cawangan Terengganu</i>	14 & 15 Sep 2020	UiTM Cawangan Terengganu	MASMED, UiTM Cawangan Terengganu	UiTM
18.	<i>Ceramah Keusahawanan: Konsep Keusahawanan dan Ciri-ciri Usahawan Cemerlang</i>	26 Sep 2020	Balai Islam, Masjid Kampung Jawa, Segamat	Koperasi Permodalan Melayu Negeri Johor	UiTM
19.	<i>Kursus Asas Keusahawanan: Program Lifelong Learning @ Community College (3l@CC) Siri 1 dengan Kerjasama Kolej Komuniti Segamat 2 dan RUMPUN Malaysia</i>	3 Oct 2020	Kolej Komuniti Segamat 2	Kolej Komuniti Segamat 2 & Rumpun Malaysia	National
20.	<i>Siri Webinar Intensif Keusahawanan Khas untuk Warga UiTM CJ (7 Siri) – Business 101</i>	27 Sep - 15 Oct 2020	Google Meet	UiTM CJ	UiTM

NO.	ACTIVITIES	DATE	VENUE	COLLABORATION / SPONSOR	LEVEL
21.	<i>Kunjungan Hormat ke Pejabat Pengerusi Jawatankuasa Pertanian, Industri Asas Tani dan Kemajuan Luar Bandar Negeri Johor, YB Datuk Hj Samsolbari Jamali</i>	14 Oct 2020	Bangunan Dato' Jaafar Muhammad, Kota Iskandar, Johor	-	National
22.	<i>'Hands On' Penanaman Nanas MD2 oleh Lembaga Perindustrian Nanas Negeri Johor</i>	21 Oct 2020	Tapak Kebun Angkat Nanas MD2, UiTM CJ	LPNM Negeri Johor	UiTM
23.	<i>Gotong Royong Penanaman Nanas MD2 oleh Warga UiTM CJ</i>	28 Oct 2020	Tapak Kebun Angkat Nanas MD2, UiTM CJ	UiTM CJ Segamat Campus	UiTM
24.	<i>Penanaman Cili Fertigasi – Kelab MyAgrosis – FAMA Daerah Segamat – MASMED</i>	18 Nov 2020	Laman Tani, UiTM CJ	HEP & Kelab MyAgrosis, UiTM CJ	UiTM
25.	4 <sup>th</sup> Paradigma Johor Magazine Publication	26 Nov 2020	-	-	UiTM
26.	Sales of souvenirs and alternate attire rental and barber services in conjunction with Majlis Penganugerahan Ijazah dan Diploma UiTM 2020	23 – 25 Dec 2020	Dewan Sri Temenggong UiTM CJ	-	UiTM

PASIR GUDANG CAMPUS					
NO.	ACTIVITIES	DATE	VENUE	COLLABORATION / SPONSOR	LEVEL
1.	The MASMED UiTM PG Direction 2020	6 Jan 2020	UiTM PG	-	UiTM
2.	Tag, Business Card and Stamp Name Sales	1 Jan - 29 Feb 2020	UiTM PG	-	UiTM
3.	<i>Libasu Taqwa Program</i>	Feb - Oct 2020	UiTM PG	ACIS, UiTM CJ Pasir Gudang Campus	UiTM

NO.	ACTIVITIES	DATE	VENUE	COLLABORATION / SPONSOR	LEVEL
4.	Collaborative Discussion between MASMED UiTMPG & FAMA Johor	12 Mar 2020	FAMA Johor	FAMA JOHOR	National
5.	Collaborative Discussion between MASMED UiTMPG & SSM Johor	12 Mar 2020	SSM Johor	SSM JOHOR	National
6.	<i>Program Jauh Di Mata, Dekat Di Hati</i>	9 - 17 May 2020	Pasir Gudang & Johor Bahru	-	UiTM
7.	A Small Profit Better Than a Big Loss Webinar	18 May 2020	WEBINAR	Nadcase Trading & Consultancy	UiTM
8.	SSM Company Coffee Talk Webinar	19 May 2020	WEBINAR	SSM Johor	UiTM
9.	Professional Grooming Dress Code	21 July 2020	DK 200, UiTMCJ Pasir Gudang Campus	-	UiTM
10.	UiTMPG E-Sport Open 2020	27 Aug 2020	Open (Malaysia)	Hal Ehwal Pelajar & Majlis Perwakilan Pelajar UiTMCJ Pasir Gudang Campus	National
11.	Stingless Bee & Mount Pulai Hike Expedition 2020	3 Sept 2020	Mount Pulai, Johor	Mahasiswa Harapan Masyarakat, Beefriendz	National
12.	Surprise Delivery Program	1 Nov - 31 Dec 2020	Pasir Gudang & Johor Bahru	-	UiTM

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## 9. AWARDS AND ACHIEVEMENTS

## SECTION 9 AWARDS AND ACHIEVEMENTS

### 9.0 INTRODUCTION

In this section, awards and achievements accomplished by UiTMCJ in 2020 are listed. These achievements made UiTMCJ visible to local and international communities which also contributed in increasing Malaysia Research Assessments (MyRA) score in order to upgrade the ranking of UiTM.

### 9.1 THE 6<sup>TH</sup> INTERNATIONAL ACCOUNTING & BUSINESS CONFERENCE (IABC) 2019

IIDEX 2020 was held on 02 – 04 November 2020 using Visual Presentation. UiTMCJ has been awarded as The Best Contingent (2nd Runner Up) in this competition. The successful teams received medals for their projects as shown in Fig. 9.1.1.







**Tahniat & SYABAS**

**UiTM CAWANGAN JOHOR MEMENANGI 19 PINGAT**  
di **iidex 2020**  
Invention, Innovation & Design Exposition

**5 EMAS  
11 PERAK  
3 GANGSA**

TAHNIAH PENERIMA PINGAT IIDEX 2020  
UiTM CAWANGAN JOHOR telah memenangi  
5 Emas, 11 Perak dan 3 Gangsa di Invention,  
Innovation & Design Exposition 2020 (IIDEX)

 Cawangan Johor **Menyerlahkan Potensi  
Membentuk Masa Hadapan** <https://johor.uitm.edu.my/v1/>  Rektor UiTM Johor  
UiTM Cawangan Johor - Media FB Rasmi  
UKKM UiTM, Cawangan Johor  #kitauitm



**Tahniat & SYABAS**  
UiTM CAWANGAN JOHOR

**iidex 2020**  
Invention, Innovation & Design Exposition

Pingat Emas	Pingat Perak	Pingat Gangsa
1. Ts. MOHAMMAD BIN ABDULLAH	1. MUNIRAH ONN	1. NOR DIANA ABD RAHMAN
2. AINAA MAYA MUNIRA ISMAIL	2. NOOR HIDAYU ABDUL RANI	2. PM DR RAJA ADZRIN RAJA AHMAD (Terbuka)
3. Ts. DIANA CHE LAT	3. NUR MUIZZAH NAWI	3. NOR FAUZIAH ABU BAKAR (Terbuka)
4. Ts. MOHD ZULKHAIRI MAT SALLEH	4. NURHUDA ISMAIL	
5. DR. NOR DIYANA MD SIN	5. Ts. HASZEME ABU KASIM	
	6. MUHAMMAD IRFAN MOKHTAR	
	7. DR. LEE SIONG WEE	
	8. PM DR RAHIMAH MOHAMED YUNOS	
	9. DR TAN YAN LING (Terbuka)	
	10. MOHAMAD HAZIQ MOHD RAZIF (Kategori Pelajar)	
	11. ALIF HAKEEMKHAIRUL FAIZI (Kategori Pelajar)	

**DARIPADA:**  
Rektor serta Pengurusan Eksekutif Negeri  
dan seluruh warga UiTM Cawangan Johor

 Cawangan Johor <https://johor.uitm.edu.my/v1/>  Rektor UiTM Johor  
UiTM Cawangan Johor - Media FB Rasmi  
UKKM UiTM, Cawangan Johor

Fig. 9.1.1 List of Awards for UiTM Cawangan Johor

## 9.2 3<sup>rd</sup> DIGITALISED INTERNATIONAL INVENTION, INNOVATION & DESIGN (DIID) JOHOR 2020

In 2020, UiTMCJ continued to organize DIID collaboration with the Johor State Government through the Johor State Education, Information, Heritage and Culture Exco Office. The effects of the Covid-19 pandemic that hit the world, especially Malaysia, have changed the atmosphere of the organization which is continued by offering online participation and the results were announced via online to the winners. Variations are made when no exhibition is held to determine the Merit of Distinction award winner. The Merit of Distinction award winners consisting of each category are determined by looking at the highest scores and the results of discussions between the professional judges. Finalists and overall winners of each category were invited to the Prize Giving and Appreciation Ceremony to celebrate their achievements. Cash and prizes over RM10,000 have been allocated for DIID Johor 2020 competition.

Table 9.1.1 List of winners 3rd Digitalised International Invention, Innovation and Design Johor 2020 (DIID Johor 2020)

SEGAMAT CAMPUS				
NO.	LEADER	GROUP MEMBERS	PROJECT TITLE	AWARD
1.	Noor Hidayah Ab Aziz	i. Fazrul Hanim Abd Sata ii. Nurul Azlin Azmi iii. Assoc. Prof. Dr. Nor Balkish Zakaria iv. Prof. Dr. Jamaliah Said	Shariah Margin Estimator for Small Medium Enterprise (SME for SME )	Gold
2.	Dr. Tan Yan Ling	i. Yiew Thian Hee ii. Muzafar Shah Habibullah	Green E-scooter: A Combined Hybrid Solar-home Supply-dynamo Charging System	Gold
3.	Assoc. Prof. Dr. Rahimah Mohamed Yunos	i. Assoc. Prof. Dr. Syahrul Ahmar Ahmad ii. Juyati Mohd Amin	Accounting Brain-Twister	Gold
4.	Nor Diana Abd. Rahman	i. Isma Ishak ii. Dr. Siti Nur Ila Mat Kamal iii. Suhaila Osman	Ekubsis	Gold
5.	Isma Ishak	i. Ahmad Fuzi Md Ajis ii. Rohayu Ahmad	Electronic Document Management System for Course File	Silver

NO.	LEADER	GROUP MEMBERS	PROJECT TITLE	AWARD
6.	Siti Noor Ain Aziz	i. Norizan Othman ii. MahasinSaja@Mearaj iii. Mohamad Zaki Razaly	Illegitimate Children Nasb Attribution Polemic In The Light Of Maqasid Al-syariah: An Insight	Silver
7.	Assoc. Prof. Dr. Nor Balkish Zakaria	i. Nurul Azlin Azmi ii. Norhidayah Abdullah iii. Prof. Dr. Jamaliah Said	Comprehensive Audit Fee Estimator (Cafe)	Silver
8.	Nurul Aien Abd. Aziz	i. Noreen Noor Abd Aziz ii. Shaherah Abdul Malik iii. Rusnani Mohamad Khalid iv. Mohd Hafizan Musa	Modelling Factors Contributing to Barriers of Effective Online Learning	Silver
9.	Ruziah A. Latif	i. Zaibedah Zaharum ii. Mardziyana Mohamad Malom iii. Yuslizawat Mohd Yusoff iv. Mohamad Azwan Md Isa	Smile and Save	Bronze
10.	Ahmad Fuzi Md Ajis	i. Siti Rahayu Sarman ii. Syed Khusairi Tuan Adam iii. Isma Ishak iv. Jafalizan Md Jali	Emaklum: Collecting Data For Organization Performance	Bronze

PASIR GUDANG CAMPUS				
NO.	LEADER	GROUP MEMBERS	PROJECT TITLE	AWARD
1.	Noor Hidayu Abdul Rani	i. Nor Fadilah Mohamad ii. Noorhaliza Aziz iii. Haiqal Hishamudin iv. Nor Alia Shahira Nazir	Sag-mine Co2 Adsorber	Gold

NO.	LEADER	GROUP MEMBERS	PROJECT TITLE	AWARD
2.	Ts. Haszeme Abu Kasim	i. Nurul Ain Haris ii. Noor Hafiz Noordin iii. Nurrul Amilin Zainal Abidin iv. Nur Aini Sabrin Manssor	Pesticide Wheel Pump (PWP) Sprayer	Gold
3.	Dr. Arni Munira Markom	i. Ahmad Razif Muhammad ii. Zakiah Mohd Yusoff iii. Mukul Chandra Paul iv. Sulaiman Wadi Harun	Switchable Bright-Dark Erbium–Zirconia-Doped Fiber Laser	Gold
4.	Nurhuda Ismail	i. Rohaya Sulaiman ii. Siti Fairuz Sujak	Muslim Scientist Book	Gold
5.	Mohd Shukri Mohd Senin	i. Nurul Izzati Abu Bakar	<i>Kad Imbas Tulisan Khat (KITKHAT)</i>	Silver
6.	Ahmad Khudzairi Khalid	i. Nurhuda Ismail ii. Nur Intan Syafinaz Ahmad iii. Muhammad Nurhilmi Mohd Razali iv. Wan Arissa Wan Zaid	Addition The Smart Way 2.0	Silver
7.	Ts. Dr. Zakiah Mohd Yusoff	i. Ts. Noor Fadzilah Razali ii. Dr. Arni Munira Markom iii. Ir. Ts. Dr. Nurlaila Ismail iv. Prof. Ir. Ts. Dr. Haji Mohd Nasir Taib	The Intelligent Hydro- diffusion System	Silver
8.	Sofea Nabila Hazmin	i. Dr. Nur Amalina Muhamad ii. Assoc. Prof. Ir. Ts. Dr. Mohamad Hafiz Mamat	Characterization of Aluminium Zinc Oxide (AZO) Thin Films on Flexible Substrate at Low Deposition Temperature for UV Sensor Application	Silver
9.	Siti Fairuz Sujak	i. Asmawati Che Hasan ii. Adrina Rosseira Abu Talip iii. Maisarah Noorezam iv. Herda Balqis Ismail	Pioggia Di Cioccolato ( PDC)	Silver
10.	Juwita Asfar	i. Nur Zaidani Wati Mohd Darwis ii. Noor Raifana Ab Rahim iii. Muhammad Hafeez Nor Azlan	AI-Reef Coast Protect	Bronze

NO.	LEADER	GROUP MEMBERS	PROJECT TITLE	AWARD
11.	Ahmad Idzwan Yusuf	i. Izzul Syazwan Ishak ii. Ts. Dr. Norliyati Mohd Amin iii. Assoc. Prof. Ir. Dr. Mohd Azmi Yunus iv. Dr. Norrul Azmi Yahya	Modal Analysis for Laminated Rubber Bearing - a New Method to Determine Rayleigh Damping	Bronze
12.	Jamaliah Md Said	i. Mohd Fadzli Ismail ii. Ilya Izyan Shahrul Azhar iii. Muhamad Faris Syafiq Khalid iv. Norjasween Abdul Malik	Plastic Recycle Device	Bronze
13.	Hazriel Faizal Pahraraji	i. Dr. Siti Khadijah Alias ii. Assoc. Prof. Dr Mohd Halim Irwan Ibrahim iii. Nurulnatisya Ahmad iv. Siti Nur Fatimah Khairuddin	Nano Grain Size Cemented Carbide (WC-CO-TAC) Via Mim Towards Manufacturing Applications	Bronze
14.	Dr. Nur Syamilah Arifin	i. Dr. Abdul Rahman Mohd Kasim ii. Dr. Nurul Farahain Mohammad iii. Dr. Wan Munirah Wan Mohammad iv. Dr. Syazwani Mohd Zokri	Boundary Layer Flow of Dusty Jeffrey Fluid Model: Application in Teaching Tool	Bronze
15.	Ts. Dr. Zurriati Mohd Ali	i. Haznie Abd Hamid ii. Muhammad Syazwan Johari iii. Sofi Zuhairi Ridzuan iv. Mohd Najib Hassanushi	UiTM Hawk Eye's – The Remotely Piloted Vehicle Aircraft	Bronze
16.	Ahmad Khudzairi Khalid	i. Zarith Sofiah Othman ii. Norbaiti Tukiman iii. Nur Intan Syafinaz Ahmad	BIZMC- Bizmath Challenge 2.0	Bronze
17.	Thahira Bibi TKM Thangal	i. Dr. Halimah Mohd Yusof ii. Dr. Rohayu Mohd Yunos	The Assertiveness Module (T.A.M)	Bronze



Fig. 9.2.1 3<sup>rd</sup> Digitalised International Invention, Innovation & Design Johor 2020 (DIID Johor 2020) 27 August 2020





**Fig. 9.2.2 Prize giving and appreciation ceremony for the 3<sup>rd</sup> Digitalised International Invention, Innovation & Design Johor 2020 (DIID Johor 2020) 28 September 2020**

### 9.3 WRITINGS & PUBLICATIONS

Several writings have been published in informatics digital magazine and journal as shown in Fig. 9.3.1 – 9.3.3. These have been a continuous effort from Unit of Publications and MASMED where the top management of UiTMCJ has given full support to have things done.



**Fig. 9.3.1 Publication of Paradigma Volume 3 and 4**

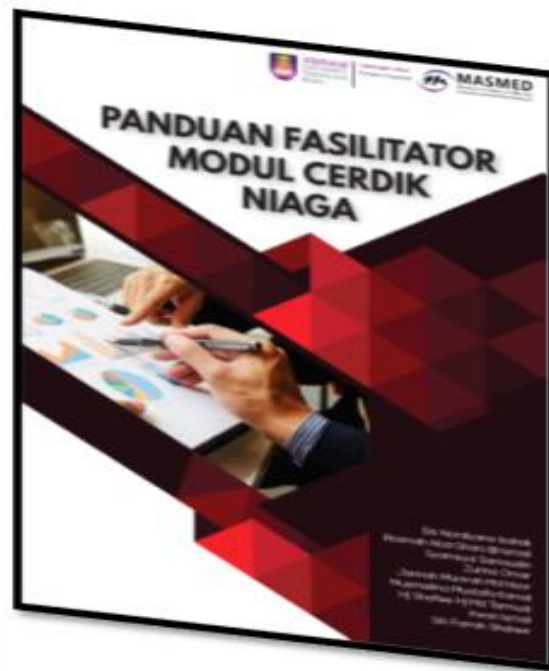


Fig. 9.3.2 Publication of Module Celik Niaga

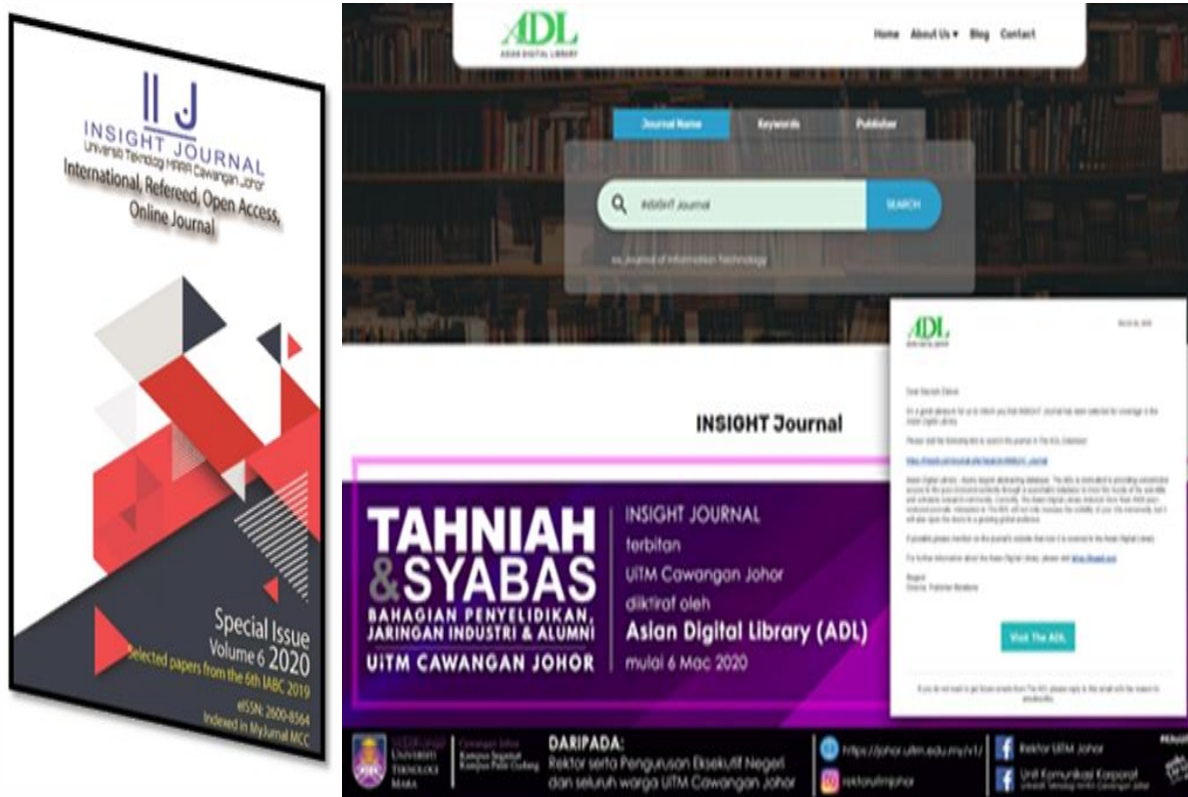


Fig. 9.3.3 Publication of Insight Journal UiTM Johor Special Issue



## 9.4 BESTARI GRANT

This grant scheme is specially designed for staff of UiTMCJ in order to increase the number of publications in high impact journals as shown in Fig. 9.4.1 until 9.4.3. Moreover, this initiative has been a catalyst for researchers of UiTMCJ in providing great materials and also in attending conferences.



Fig. 9.4.1 1st Phase Bestari Grant Fig. 9.4.2 2nd Phase Bestari Grant



Fig. 9.4.3 3rd Phase Bestari Grant

## 9.5 SPECIAL AWARD



Fig. 9.5.1 UiTM Most Active Coordinator Award

## 9.6 GREENATION@UiTM

The Greenation@UiTM is a part of the university's role in contributing to the Sustainable Development Goals (SDG) which address the core sustainability components including economic, environment and social. The plantation of MD2 and Chili Fertilization Project and Stingless Bees Farming are examples of projects which support the objective of greenation.



Fig. 9.6.1 MD2 plantation in UiTM Segamat Campus



Fig. 9.6.2 Chili Fertilization Project



اَبُو سَيِّدِي تَيْكُو لَوِي كِي مَارَا  
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TEKNOLOGI  
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