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**JOHOR  
INNOVATION  
INVENTION  
COMPETITION  
AND  
SYMPOSIUM  
2023**



" Innovation Inspires a Society  
to be Critical and Creative"

# **JOHOR INNOVATION INVENTION COMPETITION AND SYMPOSIUM 2023**



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"Innovation Inspires a Society to be  
Critical and Creative"

**Editors-in-Chief**

**AHMAD KHUDZAIRI KHALID  
NUR INTAN SYAFINAZ AHMAD**



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Kampus Pasir Gudang**

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## **Preface**

**In the name of Allah, the Almighty who gives us the enlightenment, the truth, the knowledge and with regards to Prophet Muhammad (peace be upon him) for guiding us to the straight path. We thank to Allah for giving us guidance and strength to write this e-book.**

**This e-book compiles the extended abstracts that submitted to Johor Innovation Invention Competition and Symposium 2023 (JIICaS2023), where JIICaS2023 is a virtual platform for all creative minds to share and present their invention and innovation. The extended abstracts are divided into two categories, which are Category A (Higher Educational Student/ Any Recognized Institutional Students in Malaysia) and Category B (Primary/ Secondary School Students / Special Education School Students in Johor). Each abstract gives a brief background on the innovation or project.**

**We hope that this e-book will help the readers to get to know the innovation done by the students from both categories and get some ideas to develop future innovation products.**



## **SATISFACTION TOWARDS SPORTS FACILITIES IN UITM PASIR GUDANG**

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### **ABSTRACT**

The goal of facilities management at a sport centre is to assist with and maintain the facilities there where, in some instances, sport centre management did not have facilities. The sports facilities in Universiti Teknologi MARA (UiTM) Pasir Gudang were selected as the case subject for this study. This survey investigates the satisfaction of UiTM students towards the sports facilities at UiTM Pasir Gudang. Discovering how UiTM's facilities management is carried out is the objective of this study, to determine the favourite sport among UiTM Pasir Gudang students, to investigate how frequent the students do sports, to find the mean, median and mode of the sports based on age and gender, and to investigate the satisfaction on sport facilities in Pasir Gudang. The study found that the students usually express pleasure with the facilities, praising their skills, availability of equipment, and cleanliness. Better upkeep, more sports, later hours, and improved safety precautions are suggested as areas for development. In conclusion the findings of this study can assist management of facilities make decisions that will improve the pleasure and experience of students.

**Keywords:** Facilities, satisfaction, sport.

### **1.0 INTRODUCTION**

The focus of the study is to better understand how students at UiTM Pasir Gudang feel about many distinct aspects of sports preferences, frequency of participation in sports, statistical variables (such as age and gender), and satisfaction with sport facilities. To understand students' choices for sports, decisions, and understands of sports facilities, the background of the study consists of discussing these aspects. The study aims to determine the favorite sport among UiTM Pasir Gudang students, which provides an understanding of the most popular sport in the student community. The students decisions and interests in sports activities can be seen by this objective. Investigating how frequently the students engage in sports provides insights into the level of physical activity and participation in sports among the student population. This objective helps understand the students' sports habits and patterns. A detailed investigation of how age and gender affect sports choices is possible by looking at the mean, median, and mode of various sports. The study can discover any variances or trends in sports preferences across various age groups and between genders by examining these data.

The objective of the investigation on Pasir Gudang's satisfaction with its sports facilities is on how students understand and utilise the facilities that are offered. To increase the students' use of the sports facilities, this objective is to determine their level of satisfaction and highlight areas that should be improved.

By focusing on these goals, this study aims to improve our knowledge of students at UiTM Pasir Gudang's preferences for sports, frequency of participation, demographics, and satisfaction with sport facilities. The study's the background focuses the importance of

investigating these topics in order to give helpful insights for enhancing the institution's sports-related offers and facilities.

## 2.0 OBJECTIVES

- 1.To determine the favourite sport among UiTM Pasir Gudang students.
- 2.To investigate the satisfaction on sport facilities in Pasir Gudang.

## 3.0 METHODOLOGY

**Population:** Students at UiTM Cawangan Johor Campus Pasir Gudang

**Sample:** 68 students of UiTM Cawangan Johor Campus Pasir Gudang

**Sampling technique:** Convenience Sampling

**Data Collection Method:** The questionnaire was administered using the Google Forms platform and was distributed through various platforms.

## 4.0 RESULTS

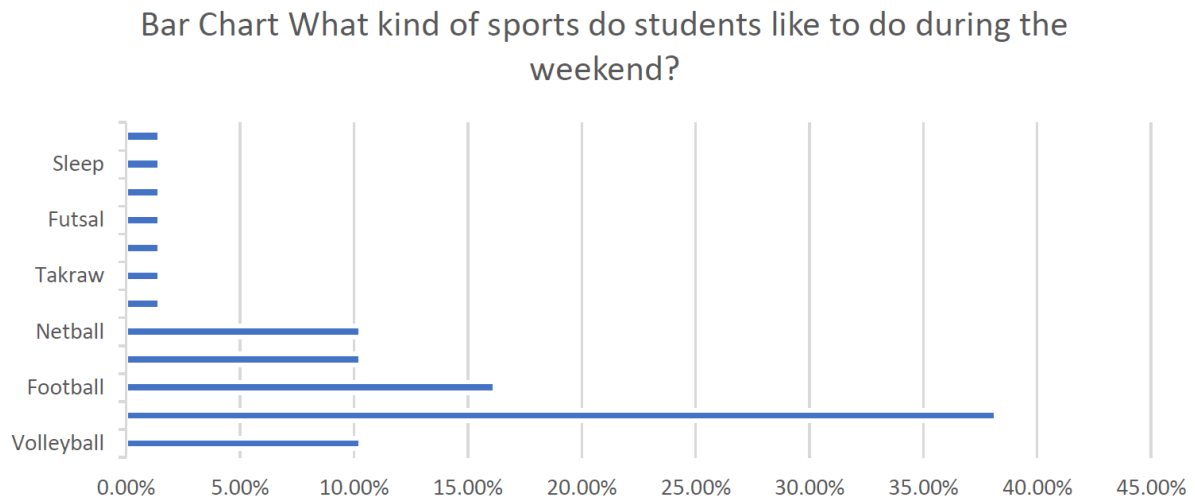


Figure 1 : Bar chart

Based on the bar chart above, the preferences of students for weekend sporting activities may be seen by looking at the bar chart. According to the data 26 students chose badminton as their preferred sport, making it the most popular among the pupils. Football comes in second with 11 students, followed by volleyball, frisbee, netball, and skateboarding, each of which has 7 participants. It's crucial to keep in mind that some sports have lower participation rates, such as Rugby, Takraw, E-sports, Futsal, Sleep, and Basketball, with just two or one student (or student(s)) preferring each activity.

Table 1 : Frequency table

Students Agree That Facilities In Uitm Pasir Gudang Is Satisfying	Number Of Students
Yes	21
No	10
Not Really	37
Total	68

According to the report, 21 out of 68 students believe that the facilities at UiTM Pasir Gudang are satisfying. However, some students, express dissatisfaction which has (10 students) or a lack of total satisfaction (37 students) with the facilities. It's important to keep in mind that the "Not Really" category shows a degree of neutrality or conflicting perspectives, implying that some students may find certain features of the facilities to be good while having concerns about others.

A less than ogive showing age of the respondent

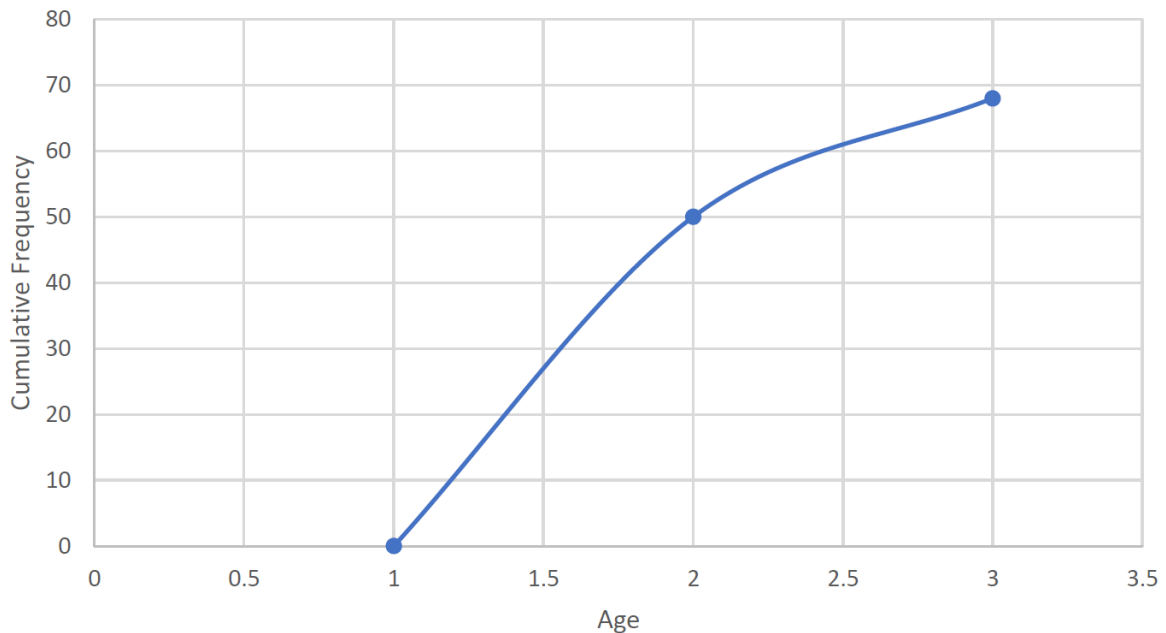


Figure 3 : Less than ogive

Since the ogive begins on the horizontal axis at this point, 1 is the minimum value in the data set. Given that this is the point on the horizontal axis where the ogive terminates, the data's maximum value is 3.

## 5.0 CONCLUSION

The study shows that most of the participants agree that the facilities in UiTM Pasir Gudang need to be upgraded focusing on increasing the types of equipment. The only way they see order to spend their weekend is by doing sports. Students need to make it balanced with hanging out with friends and doing sports during the weekend. They need to stay healthy and fit for their upcoming class. When they have a balanced life, students can be more productive and more spirit to class.