



UNIVERSITI  
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College of  
Built Environment

# Poster Book

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**Editors:**

*Dr Aidatul Fadzlin Bakri, Nurzafira Zainul Abidin, Sr Dr Noor Akmal Adillah Ismail,  
Dr Har Einur Azrin Baharuddin, Assoc. Prof. Ts Gs Dr Abdul Rauf Abdul Rasam*



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## Geo i-Store: THE ENHANCEMENT FOR GEOMATICS INSTRUMENTS APPLICATION

### INTRODUCTION

A mobile artifact not only overturns the mobile industry's traditional business model but also creates new avenues of mobile market opportunities. But Mobile Application uses, and development is a unique and rapidly growing sector. This project aims to develop a mobile app that can be accessed by Geomatics students and staff in UiTM Perlis for equipment management. The objectives are to improve user accessibility and time availability of the surveying equipment and to encourage the student to practice a paperless system. In this project, the methodology started with planning and observation, data collection, designing and coding, and lastly results and analysis. Through this project, this mobile app can help the student and staff during the process of borrowing and returning the surveying equipment. Therefore, it can increase awareness regarding the importance of a paperless system among the student of geomatics UiTM Perlis.

### ISSUES/ PROBLEM STATEMENT

1. Surveying instrument and equipment management is part of daily management of surveying and mapping unit, and it is closely related to production (Gou, Fan, & Xiang, 2012).
2. Effective management of the instrument and equipment is beneficial to maximize the efficiency (Gou, Fan, & Xiang, 2012).
3. Managing and sharing the latest customer data in multiple places like spreadsheets, emails, and other databases leads to a lot of confusion, stress, and wasted time (Kintone, 2022).

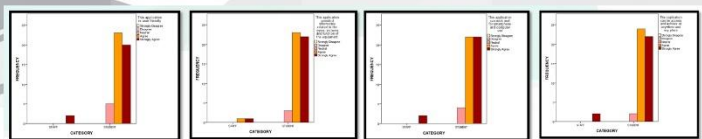
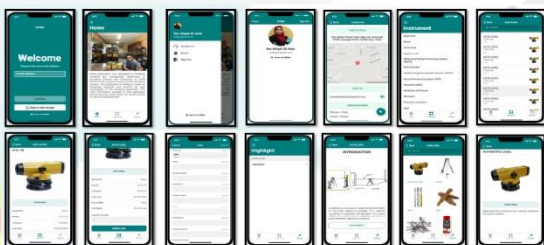
### OBJECTIVES

1. To design an app for user accessibility of the surveying equipment
2. To evaluate the reliability of the develop mobile application

### METHODOLOGY



### FINDINGS



### NOVELTY

Provide the accessible equipment management system by using the mobile application technology

### CONCLUSION

For the overall conclusion, this mobile application called Geo i-Store was successfully developed in the given period and all the objectives for this research had been achieved. This mobile application could help the users to book the surveying instrument and equipment directly and save time. Last but not least, it is a wish that Geo i-Store application could be one of the favorite management applications in the future

### COMMERCIALIZATION

1. Achieve the target for paperless system
2. Reduced the duration taken for the process of borrowing and returning the instrument.
3. Can be commercialize to related department for instrument and equipment management.

### RECOGNITIONS

- GOLD AWARD | 2022**  
Category: System Innovation/Gadget  
National Geomatic/Geoinformatic Student Innovation Competition 2022 (10<sup>th</sup> NNGSIC)
- BRONZE AWARD | 2021**  
Geomatic Research Innovation Competition 2022 (GRIC2022)

### CONFERENCES & PUBLICATION

1. Mobile GIS data collection using android applications  
N Talib  
Published 2014, Computer Science, Universiti Teknologi MARA
2. E-PaLuV: Electronic Problem Based Learning for Sustainable Development Course  
N Rusli, SN Bohari, N Talib, N Nasron, NM Razi  
Conference: i-TeLearn 2017

