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Built Environment

# Poster Book

**IIIDBEE X 2023**  
20 JANUARY 2023  
*International Invention, Innovation & Design Exposition  
for Built Environment and Engineering 2023*

**College of Built Environment  
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BY SUBJECT | 2022



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# RnR Web Mapping System @ Peninsular Malaysia

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## INTRODUCTION

According to PDRM Statistics from January - September 2022 the road accidents that are recorded in Malaysia are 402,626 cases. For the first nine month of the 2022 the death toll has increased by nearly 32% (paultan,2022)

### What is RnR?

Rest and Services) areas are really common in PLUS North-South Expressway. It is usually known as RnR or Rest & Relaxation which become an integral aspect of any Malaysian road trip experience

## ISSUES/ PROBLEM STATEMENT

Certain people that come from other state are not really knows that in Malaysia there are a lot of RnR (Rest and Relaxation) stops that available. So, they are prefer to stop at the popular RnR instead of the unpopular stops. This can caused the slow movement on certain RnR Stops.

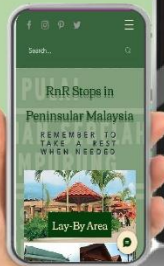
## OBJECTIVES

- To create a creative map and poster map of RnR in Peninsular Malaysia for North-South Highway
- To design a flyer or brochure of Rnr in Peninsular Malaysia for North-South Highway
- To develop a geo-multimedia web-based system of RnR Stops in Peninsular Malaysia for North-South Highway

## COMMERCIALIZATION

- Quick and easy reference for the user
- Filled with infographics
- Provide QR for the website

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## METHODOLOGY

1. Digitizing the base map; using ArcGIS
2. Adding 5 basic elements; data frame, title, north arrow, legend and scale
3. Collecting data from PLUS Website; types of RnR Stops, facilities available for each RnR Stops
4. Adding additional information; facilities, location, qr code and logo
5. Design a proposed map. brochure and system

## FINDINGS

PLUS Website

## NOVELTY

- Creative and innovative map
- User friendly
- Accessible for all users

## CONCLUSION

The innovation of the Rest and Relaxation was created for users to plan their long journeys. By having this innovation the users can identify which stops they want to go to and take a rest. User can easily use it without asking for others help.