

FSG AKNC 2021 OVERALL CHAMPION

IN THIS ISSUE

COMMERCIALISATION OF FSG RESEARCH INNOVATIONS

INTERNATIONAL COLLABORATIONS WITH SWEDEN, TAIWAN AND INDONESIA

POST-FLOOD RELIEF PROGRAMME BY FACULTY OF APPLIED SCIENCES

FSG Padu!

A historic victory for FSG

Faculty of Applied Sciences emerged as the Overall Champion in "Anugerah Kualiti Naib Canselor 2021" of Universiti Teknologi MARA. FSG obtained the top prize by winning the following categories:

- Best Faculty
- Field of Focus (Staff Management and Development)
- Criteria (Customer Focus)
- Criteria (Results)

Congratulations FSG, we did it!



Best Product and Gold Award for MoM (Microbiome of Maternity) Role-Playing Game at International Innovation in Teaching and Learning (i-InTeL) 2021

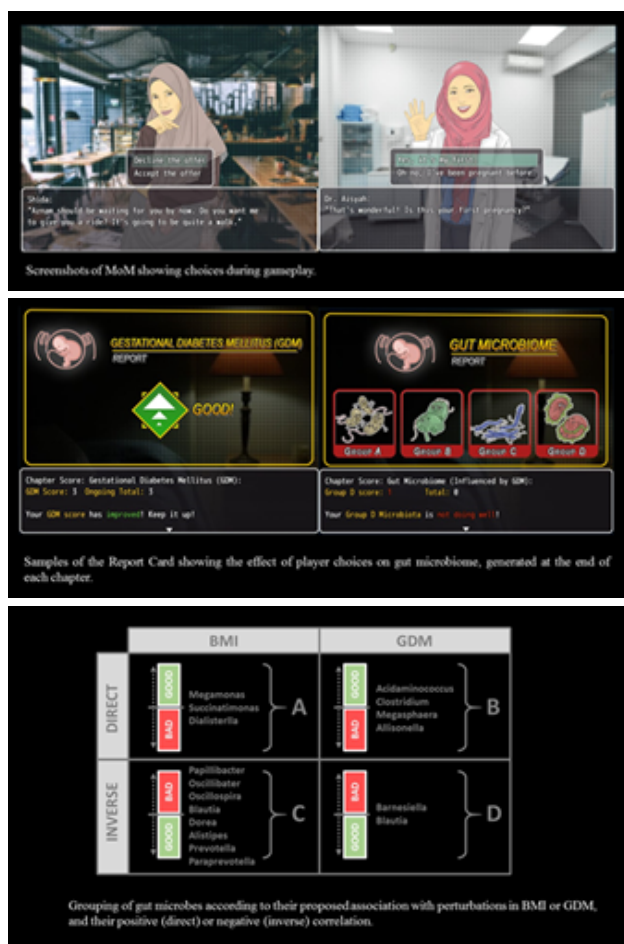
By: Mohd Shafiq Aazmi, Mohamad Iwan Ismail, Aisyah Nazamuddin, Stefanie Natasha Rich Anak Joseph, Syahrul Bariah Abdul Hamid, Bahiyah Abdullah, Suzana Daud

A collaboration of multi-disciplinary researchers from the Faculty of Applied Sciences (FSG), UiTM Shah Alam; Faculty of Applied Sciences and Academy of Language Studies UiTM Mukah; Faculty of Health Sciences, and Faculty of Medicine, UiTM Selangor has developed an interactive health promotion tool using role-playing game (RPG) known as MoM: Microbiome of Maternity. The innovation won Best Product and Gold Award at International Innovation in Teaching and Learning (i-InTeL) 2021. The i-InTeL 2021 was an online conference held on 9 and 10 November 2021, co-organized by the Academy of Language Studies UiTM and Language Centre Universiti Brunei Darussalam.

The MoM emphasizes on the importance of diet and lifestyle during pregnancy in gestational diabetes, obesity, and gut microbiota composition. Changes in antenatal gut microbiota have been associated with gestational diabetes and obesity, which are influenced by diet and lifestyle. Thus, gamification as an educational tool to convey scientific concepts on gut microbiota and health to the public could be explored as part of interactive health promotion initiatives, particularly for maternal health.

The researcher designed an interactive story based on pregnant Malaysian women's dietary patterns, lifestyle, and gut microbiota profile. A branching narrative emphasizing flavour texts with a local flair was developed using 'RPG Maker MV'. The choice-based game narrative revolves around daily diet and lifestyle preferences given in an engaging story throughout pregnancy.

Each player will be given a graphical report at predetermined intervals and at the end of the story. The report highlights important details on their health and microbiome profile. The MoM effectively assimilates the core values of a well-balanced diet and lifestyle during pregnancy. We hope the MoM improves awareness of gut microbiome health and encourages the public to adopt a healthy lifestyle during pregnancy.





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