



MOBILE LEARNING APPLICATIONS FOR KADAZANDUSUN LANGUAGE USING GAMIFICATION

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ABSTRACT

Kadazan Dusun Language is one of the mother tongues used by the Dusun ethnic in Sabah. This Mobile Learning Application for Kadazan Dusun Language Using Gamification is an android application for children to learn a Kadazan Dusun word by experiencing the learning with gamification element. As the previous research stated that gamification in education could improve user motivation by enhance their feeling which make them feel proud after completing the learning. The research methodology used for this project is Rapid Application Development Method since this methodology suitable for a project that need a phase where to develop a prototype. The language database will be obtained from Kadazan Dusun textbook since it the language already been approved by the organization who responsibility in the KadazanDusun community.

PROBLEM STATEMENT

1. Malay eventually displaced kadazandusun language.
2. Student avoid to take the subject in school to prevent from their grade go down.
3. The neglection of using the language by younger generation in daily communication

OBJECTIVES

1. To identify the game elements that need to corporate in the mobile learning.
2. To develop and design and android-based Kadazandusun Language Mobile Learning Application using Gamification to assist children in Learning Kadazandusun Language.
3. To evaluate the usability of the Kadazandusun Language Mobile Learning Application using Gamification with user.

METHODOLOGY

The methodology used in this project is Rapid Application Development (RAD) as shown in Figure 1.

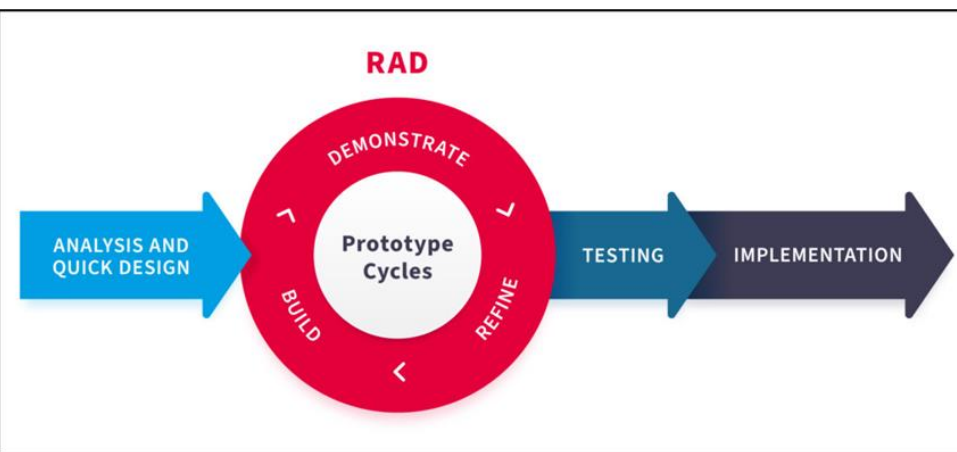


Figure 1: Rapid Application Development (RAD) method

CONCLUSION

The proposed mobile learning application has achieved the objectives stated.

Limitation:

- Low amount of research about mobile application learning for kadazandusun language that use gamification in the system.

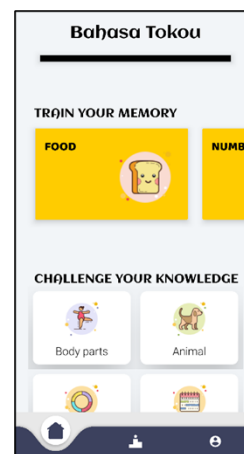
Future work:

- Implement more gamification elements in the system.

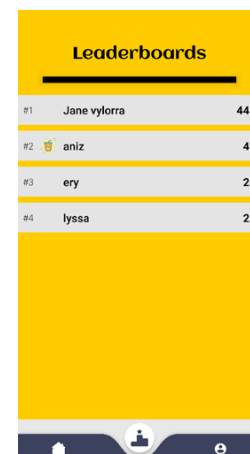
IMPLEMENTATION

Login and Registration Interface

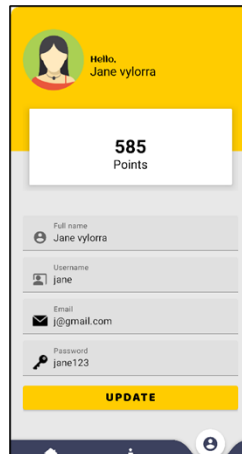
Home Interface



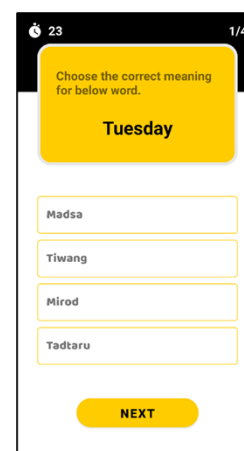
Leaderboard Interface



Profile Interface



Quiz Activity Interface



Lesson Interface

