



E-NEURO: A HELP FOR A NEED COMMUNITY

Abstract

Stroke has been one of the top five leading causes of death in Malaysia and survivors of stroke attacks have difficulty in living their lives normally. Other than that, many others are also suffering from traumatic brain injury due to unfortunate accidents that fall upon them. These two diseases can be categorized as neurological impairments that heavily impacts the patient's daily lives and productivity. Currently, the patients have to undergo physiological treatments at PERKESO rehabilitation centres where physiologists guide them with exercises using special machines. The only guidance when these patients are at home are referring to a paper-based instruction that only have sequence of exercise with picture. E-NEURO mobile application is a simple mobile application in conjunction with PERKESO that will facilitate neurological patients to follow simple exercise instructions so these patients could recover their health or at least perform basic everyday functions.

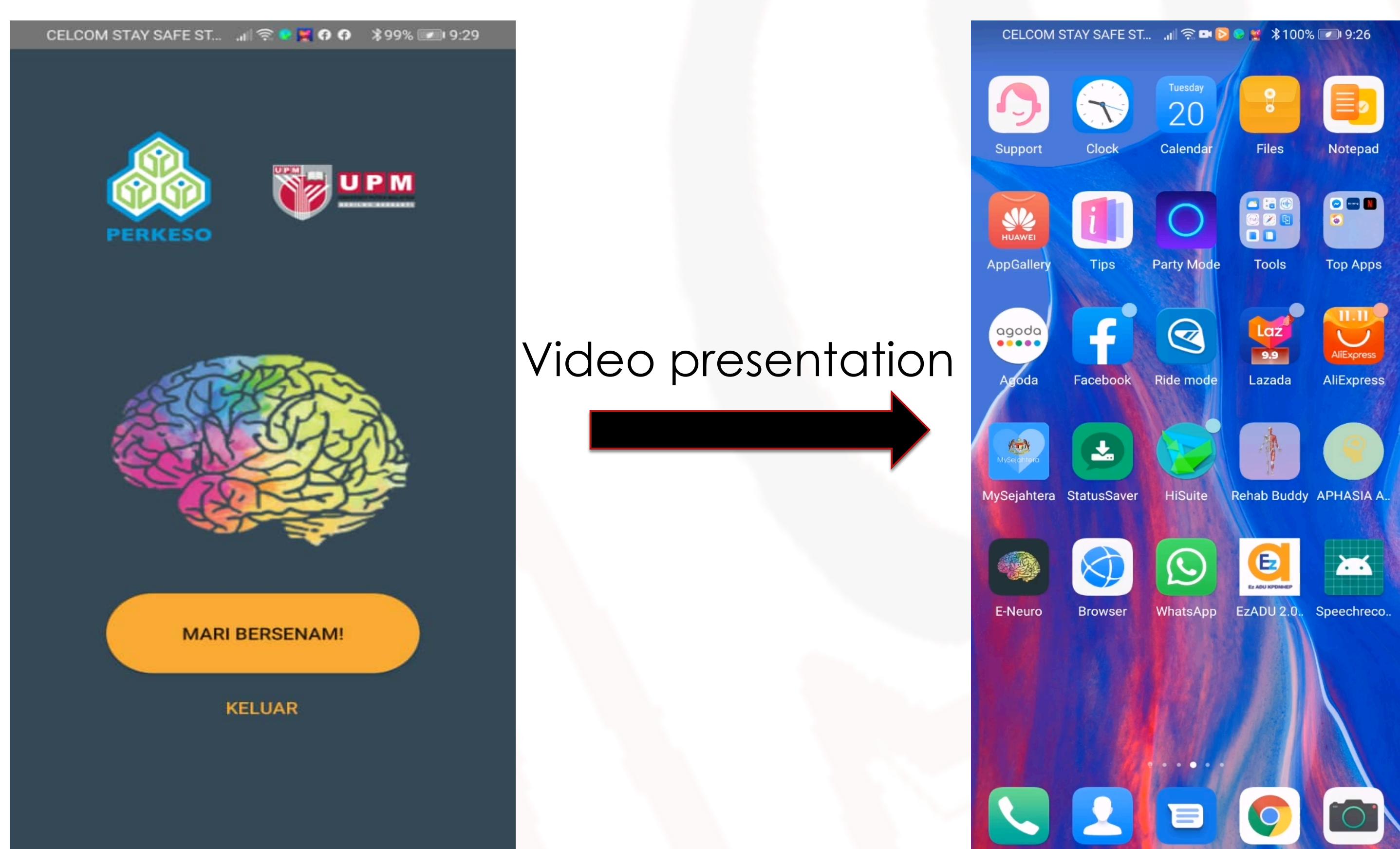
Aim & Objective

Aim: To develop a mobile application simple enough for neurological patients to use to help facilitate them to follow simple exercise instructions for the betterment of their quality of life.

Objectives:

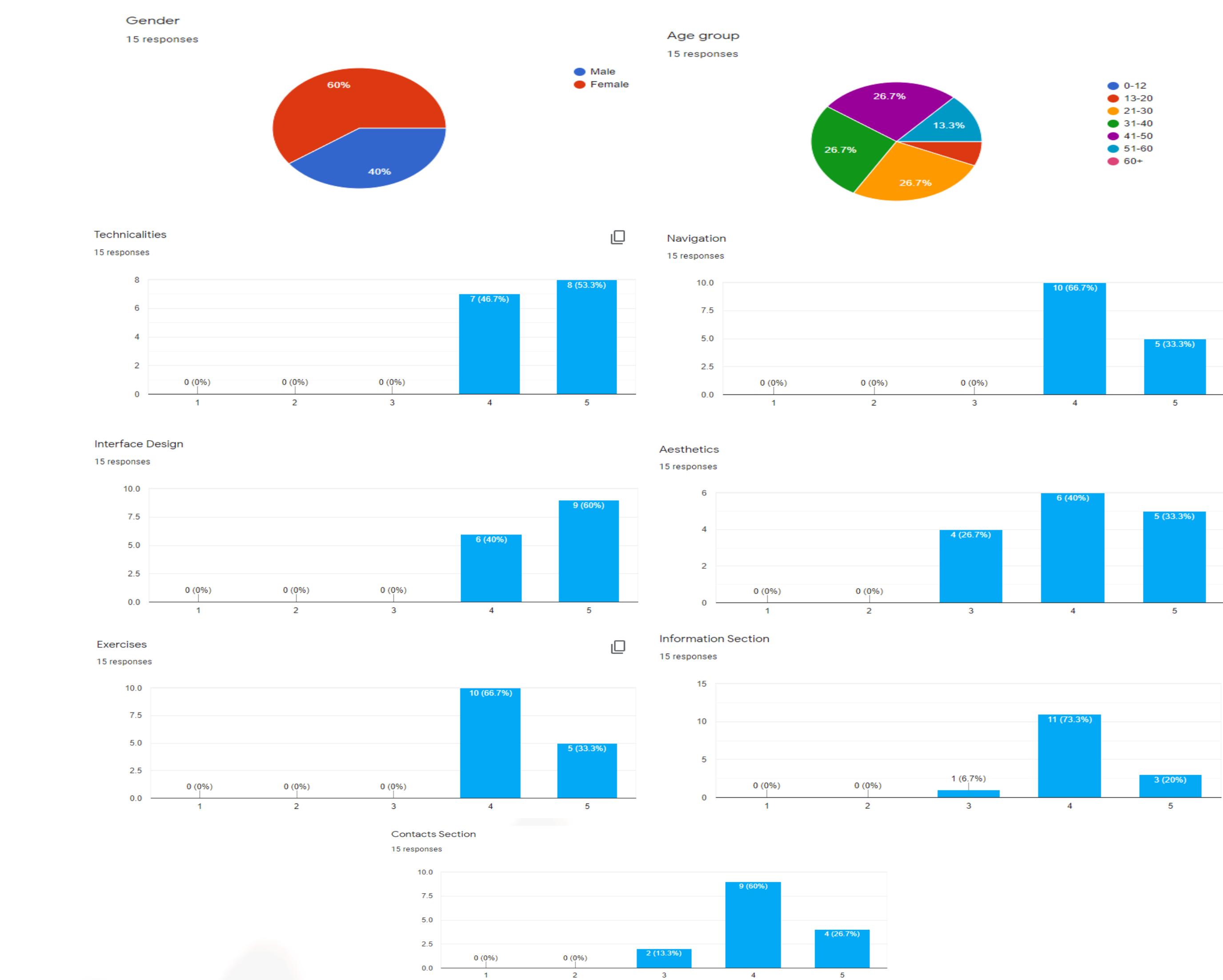
1. To develop an application that can help neurological patient do exercises at home.
2. To suggest a guide for caretakers to take care of the patient with neurological problems.
3. To develop an application with simple instruction for the end-users.

The Application



Video presentation →

Results & Discussion



Conclusion

As a conclusion, with the proposed features, functions and design, the proposed mobile application has been approved by the client, and now it has been used in Pusat Rehabilitasi PERKESO Sdn. Bhd. in Melaka.

References

1. Loo, K. W., & Gan, S. H. (2012). Burden of Stroke in Malaysia. *International Journal of Stroke*, 7(2), 165-167.
2. Android Studio Basics. (2017). Expert Android® Studio, 21-43. doi:10.1002/9781119419310.ch2

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