Universiti Teknologi MARA (Perak)

TAQWIM (with the implementation of Heuristic Evaluation) : A Must Have Calendar for Muslim

Sarah Hazwani Binti Adnan

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ABSTRACT

In this research, the effectiveness of Heuristic Evaluation (HE) towards mobile calendar application is experimented. Currently, default android calendar is only displaying Gregorian Calendar. As for Hijri Calendar that is used by Muslim for organizing Islamic events are separated with the Gregorian Calendar. Current trend is, people will only use Hijri Calendar and Gregorian Calendar separately; Gregorian Calendar in most devices and paper while Hijri Calendar mostly in paper. If both are in the same handheld devices, both are in different application. However, if both calendars are in the same application, the number of users using this application is not too widely used. As this research is focusing on calendar used by Muslims in Malaysia, thus both Gregorian and Hijri Calendar are essential for them. Hence, two types of calendar that is needed by Muslims, that is, Gregorian calendar for public events and Hijri calendar for Islamic events are being integrated into one mobile calendar application for the outcome of this research. The levels of interactivity after user used this application are evaluated at the end of this research, guided by selected HE criteria. This research will only covering selected Human Computer Interaction (HCI) issues, specifically on HE parts when evaluating the effectiveness of this calendar application. As this application only implementing HE as the guidelines for developing this application, many usability problems had been successfully solved. However, as the HE criteria used are global, in terms of the boundary for each criterion, there are still more false or insignificant problems found out during this research.

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