ABSTRACT

Nowadays the system of scores recording and students report writing in SD Ar-Rafi' still uses Microsoft Excel or Microsoft Word. The information about scores is still given to the parents by the students manually and the students report writing must also be printed out first before given by the homeroom teachers. For those reasons a web-based application for the management of academic data in SD Ar-Rafi' is built. This application can provide information about scores i.e. the scores of evaluation, remedial, or PMP in real time to the parents' account. This application also facilitates the homeroom teachers to get the reports of students' scores by downloading it. The homeroom teachers can also include the assessment of students' attitudes and characters that can facilitate the students report writing. By using this application the teachers, the parents, or the homeroom teachers can monitor the student progress by looking at the scores information. The method used in the building of this application is the prototyping method. The stages in building this application include listening to the customer's requirements, building/improving mockup, and then the customers checking or testing the mockup. This web-based application is built by using CodeIgniter framework, PHP programming language, MySQL database, and Apache Web Server. Meanwhile, the tool for the editor uses Notepad ++. In conclusion, this application helps the teachers and the homeroom teachers of SD Ar-Rafi' in the scores recording and students report writing.

Keywords: SD Ar-Rafi, Academic Information, Students' Report, Prototyping