

ABSTRACT

Laboratory is a learning facility at school that helps students to improve their knowledge and develop it further in terms of practice subject. Every laboratory will have a schedule which is managed by the staff. Moreover, not only scheduling but also managing laboratory device has to be taken care of carefully. Ar-Rafi elementary school has got laboratory that can assist student learning activity manually, meaning that teacher and laboratory assistant will be the laboratory user as well as people who manage activity in laboratory. Needing to use the laboratory, students must meet the teacher in order to manage the schedule of the laboratory and also the laboratory device which will be lent. Therefore, an android-based application is needed to organise the laboratory management easily and efficiently. As the technology keeps developing, almost all the people have smartphone. So, an android-based application is suitable to be applied to laboratory management, especially Ar-Rafi elementary school. This application is created by using IDE Eclipse and MySQL database. The aim of the making of this application is to facilitate some activities such as laboratory management, scheduling, and device management. By using this android-based application, an application that is set on smartphone, the laboratory user such as teacher and laboratory assistant will be able to organise laboratory management easily.

Keywords : Laboratory, Management, Android.