

**ANDROID APPLICATION FOR NEW STUDENT
ADMISSION BASED ON ZONING FOR STATE
ELEMENTARY SCHOOL SALAM, MAGELANG REGENCY**

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ABSTRACT

New student registration is a routine activity carried out by educational institutions to select and filter prospective students before being officially declared as students of the intended school. Salam State Elementary School is one of the institutions engaged in the field of education, located at Jl. Salam, Salam 2, Ketawang, Kec. Grabag, Magelang Regency, Central Java. The process of accepting new students at Salam State Elementary School is still carried out manually and has not utilized technology, so prospective new students who will register must come directly to the school to register in the information section. The registration process carried out is very limited in time and is less effective. In the research conducted, a solution was proposed related to the problem of the registration process at Salam State Elementary School, by implementing an android-based new student registration application. The implementation of the system used to design and design the system uses a Data Flow Diagram (DAD), the application is built using Android Studio and uses MySQL database storage media. Based on the results of the trial using the blackbox testing method on the application that was built, it can be used as a medium for registering new students at Salam State Elementary School. The success rate is 80%, the test was conducted on 15 respondents, where there were 12 successful tests and 3 failed tests. The new student registration application based on Android that was built is expected to help support efficiency, accuracy, and ease in the process of accepting new students, starting from filling in data to digital zoning verification.

Keywords: Application, New Student Admissions, Zoning, Data Flow Diagram, Android.