

ABSTRACT

This research focuses on the design and implementation of the Academic Information System at the Attaufiqiyyah Gresik Foundation, with the main aim of increasing efficiency and accuracy in managing academic data such as student, teacher, schedule and assessment data.

This system was developed using the Waterfall Software Development Life Cycle (SDLC) method, which includes key stages such as requirements analysis, system design, implementation, testing and maintenance. The Waterfall method was chosen because of its orderly and linear approach, ensuring that each development stage is completed thoroughly before moving on to the next stage.

The implementation results produce an integrated system capable of optimizing academic data management effectively and efficiently. System testing indicates that this application functions well and in accordance with planned specifications. Apart from that, this system also provides information that is accurate and can be accessed in real-time, thus greatly supporting the decision-making process by management.

Thus, it is hoped that this system will not only increase administrative efficiency, but also make a significant contribution in improving the quality of education at the Attaufiqiyyah Gresik Foundation as a whole.

Keywords: *Academic Information System, SDLC Waterfall, System Design, Implementation, Attaufiqiyyah Gresik Foundation, System Testing*