ABSTRACT

Design and Development of a Monitoring System for Student Achievement Development in the Pembangunan Jaya University Scholarship Program

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Monitoring is the process of monitoring and supervising an activity, process, or condition to ensure that everything goes according to a predetermined plan or standard. The Student and Alumni Affairs Bureau, as the scholarship manager at Pembangunan Jaya University, always monitors the progress of scholarship recipient students' achievements. The importance of monitoring the development of student achievements in the scholarship program is to ensure that students who receive scholarships can continue to optimize their academic and non-academic performance. Monitoring is carried out every semester, but is still not optimal because the files are stored separately in the archives. The large number of students receiving scholarships often causes errors in analysis and identification because there is no integrated container for student achievement data. This problem is the focus of research to design and build a special system to monitor the progress of student achievement in scholarship programs which can help with the analysis and identification process for making decisions about extending scholarships. The system developed in this research uses the method Waterfall. The result of this research is a monitoring system that can simplify the business processes of the Student and Alumni Bureau in monitoring the development of student achievements in the scholarship program.

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