ABSTRACT

Information systems help colleges in decision-making, increased efficiency and effectiveness, as well as supporting various work activities. Higher institution ranging from college to university level should be able to make use of information systems to support various activities. In STIA BNM Pariaman, academic management process has not been executed using information systems. This condition affects the occurrence of difficulties in processing academic data transactions that require precise way in relatively short time and the results are accurate. This is what underlies the research academic information system development (STIA) BNM Pariaman.

In the research, researchers applied the waterfall research methodology. The study began with the observation of STIA to formulate the scope of business processes to be handled by SISFOKAD. SISFOKAD includes business processes such as registration of academic subjects, documenting the minutes of lectures, evaluation of teaching syllabus, evaluation and assessment of student learning. Furthermore, analysis of the system requirements and system design use UML to assist researchers in making the program code (coding) SISFOKAD. In the coding phase, the system was developed with the PHP programming language, database symfony framework and MySQL.

SISFOKAD that has been built was tested using the *user* acceptance test. The test results showed a positive response. According STIA, SISFOKAD is able to overcome problems and meet the needs of the academic business process. STIA is interested to implement SISFOKAD on their academic business process.

Keywords: academic information system, symfony framework, academic business processes, STIA.