ABSTRACT

THE DEVELOPMENT OF TRACER STUDY SYSTEM
AT COMPUTER SCIENCE DEPARTMENT BY USING
RATIONAL UNIFIED PROCESS (RUP)

By
Ahmad Khairudin Syam

The number of alumni in the Computer Science Department from year to year was increased, so it was needed a tracer study system to manage data alumni. This study was developed by using the programming language PHP and MySQL while the system development method that used was Rational Unified Process (RUP). There were four phases in the development of the tracer study system such as inception, elaboration, construction and transition phases. System testing was done by twice testing, which were the construction phase and during the transition phase. System testing used black box testing was equivalence partitioning. Results of this study were: facilitated data alumni collection, determined the quality and quantity of alumni, and facilitated the Department in determining the policy in order to improve the quality of graduates, the quality of education and department accreditation.

Keywords: Alumni, Black Box Testing, Equivalence Partitioning, Rational Unified Process, Tracer Study