

ABSTRACT

Determination of the application based on the value of academic achievement of student using a web-based method ELECTRE to grade 5th and 6th elementary school at SD Ar – Rafi’ Kiaracandong using the programming language PHP with CodeIgniter framework and MySQL database. The method used is the method of SDLC (System Development Life Cycle) with the waterfall model. The depiction of business processes running and proposed business processes using flowmap, as well as system requirements analysis using methodology UML (Unified Modeling Language). The design of the tables in the database using the ERD (Entity Relationship Diagram). This application can handle the calculation of outstanding students with method ELECTRE, manage the list of students and manage the quality value of each determined of criteria.

The final results of this study are generated program Web-based application that can give a clear overview of the determination of the achievement of students at SD Ar – Rafi’ Kiaracandong of the teacher can help to do process of determining of the achievement of students, manage the list of students and manage the quality value of each determined of criteria by teacher.

Keywords: *Achievement of Student, ERD, PHP (CodeIgniter), MySQL, ELECTRE*