ABSTRACT

INFORMATION SYSTEM THE MAJOR OF STUDENTS GRADE X IN THE SECOND SEMESTER FOR SENIOR HIGH SCHOOL

By

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Determinate of majors in high school use psychological tests and grades. Psychological test and evaluation grades are used differently. This is certainly not an effective decision making, because the results of the psychological test will influence the teacher in means for giving academic report card. The thesis of this paper is that psychological testing and grades be combined in one system information rather than used separately to help students better choose a major. This system is created using PHP programming language. The design of this system follows the stages of design with methods of Rational Unified Process, which consists of the steps inception, elaboration, construction, and transition. This system models decision making using Analytical Hierarchy Process. This system is used for decision making in natural science, social science, or language using the AHP method.

Keywords: Analytical Hierarchy Process, decision making, Rational Unified Process.