DESIGN AND DEVELOPMENT OF ONLINE NEW STUDENT ENROLLMENT INFORMATION SYSTEM: MODULE RECOMMENDATION

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Abstract
New Student Enrollment (NSE) is an administrative process that happens every year for the selection of candidate students based on academic values in order to continue education on a higher level. The candidate students are new students who will register at public junior high or high or vocational school.

Online NSE Information System is an application that can help some of the relevant parties in the process of acceptance of new students which is done online. It consists of four supported modules, which are recommendation module, signup module, data processing module and website module. In this final project, the module that will be discussed is the recommendation.

This module is used for graduate students in elementary or junior high school outside the city who want to enter junior high or high or vocational school in other cities. It can also be used for students who come from the local city that has been graduated in the previous year and wish to register again to enter junior high or high or vocational school in the local city. New student registration is conducted online and the students themselves who make the registration process in each stage. Before that, students have to submit a file and retrieve the PIN code for the purpose of registration in the city's Education Department.

Since 2005 until now, several cities in Indonesia have applied PSB Online to public junior high or high or vocational school,
including Surabaya, Jakarta, Bandung, and others. If we look at an application that has been before, it can only be used according to the specific business process of each city. For example, PSB Online Surabaya application cannot be used for the PSB Online Jakarta. PSB online application does not support to be applied for both cities, because it only supports for one particular business process at PSB Online.

This final project makes the design structure of an acceptance of new students (PSB) online information system with the module: the recommendation, which can be used in several cities that have the same business process with the PSB Online in DKI Jakarta or Surabaya. This is because PSB Online business process that is used as a reference for this final project comes from Surabaya and Jakarta. So that the recommendation PSB Online application has a function to adjust business processes that will be used in accordance with the PSB Online in DKI Jakarta or Surabaya. User can choose the business process rules in accordance with their needs.

*Keyword: new student enrollment, information system, online new student enrollment information system, recommendation*