

ABSTRACT

St. Paul Seminary Palembang as an educational institution of seminarians and monks, who have pioneered the establishment in Pringsewu Lampung, since 1947, seeks to provide information and teaching guidelines, or guidelines thoroughly formation. Decision Support System is a further development of the MIS (manegement Information System) is designed so that it supports decision makers memilihh alternative decision is the result of processing the information obtained by or available to use traditional selection decision making model for new students.

The method used is Simple Additive Weighting (SAW) which is often known as the summing weighted. In a new student using the SAW method. There are some criteria on which to base decision-making selection of new admissions, namely: the value of psychological test, interview, and achievement. Alternative used in the selection of new students is the name of the student who had enrolled. Furthermore, the results of the calculations used Seminary St. Paul Palembang do not notice the weight in each criterion, so that the value of each of the criteria that apply to the sum then divided by many criteria, but another calculation of SAW model calculations criteria weights on each note. So the result of the calculation according to the St. Paul Seminary SAW calculation method different results, which do not pass students who enroll in the calculation according to the Seminary of St. Paul, but with alternative methods of SAW pass in seleski enroll a new student, so there is a comparison of the calculation according to St. Paul Seminary Palembang and is taken as an example of the two alternative preference 57.34 value including the lower fuzzy number with a weight of 0.25 and the value of the variable description fails and while calculations using the alternative method of SAW pass and scored his statement 1.1 obtained from the normalized values and then add up the weight of each criterion.

Keyword:

New admissions, Decision Support Systems, Simple Additive Weighting (SAW), Waterfall, PHP.