ABSTRACT

Any new admissions for D3 and S1 program management makes it easy for prospective students to pay tuition fees by giving one contribution payment delays Institutional Development (SPI) for prospective students' achievement and less capable. To obtain permission to delay payment of the SPI should be in accordance with the criteria set by the management. Because the number of participants who asked a lot of delayed payments, it is necessary to build a decision support system.

This final task design a decision support system using fuzzy logic that will help the management of ITS in determining who is entitled to a permit delayed payments of SPI as well as determining the percentage of delayed payments are permitted. The results of data processing with fuzzy database shows that the greater the value of the recommendations of a student, the greater the student will be prioritized to earn license SPI payment delays. While the results of simulation data with the Fuzzy Logic Toolbox in MATLAB using Mamdani method and Sugeno showed that smaller income student parents, the greater the percentage of delayed payments SPI license.

Key words: fuzzy logic, fuzzy database, fuzzy inference system
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