IMPLEMENTATION OF THE FUZZY TSUKAMOTO METHOD IN TEACHER PERFORMANCE ASSESSMENT
(Case Study: SDIT Quran Insan Mulia)

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ABSTRACT

The role of a competent teacher or educational staff is very necessary so that the learning process can produce maximum results. Teachers with good teaching skills can also make their students excel and achieve. The important role of teachers in the teaching and learning process means teachers must improve their performance while at school. The aim of creating a computerized calculation system is to make the assessment process easier and more effective, efficient and with more accurate results. Apart from that, there is an assessment of teacher performance, allowing teachers to know the results of their performance during the teaching and learning process. This can be used as evaluation material for future learning. One method that is often used in performance appraisal systems is the fuzzy Tsukamoto method. This method was chosen because it has several advantages compared to traditional systems. Another advantage is that the fuzzy system has reasoning abilities that are similar to human reasoning abilities. So it is hoped that this method will make the assessment more precise because it is based on predetermined criteria values. The Tsukamoto method has three stages, namely the fuzzification process, fuzzy inference, defuzzification. The criteria used as assessment material include discipline data, understanding of the material, creativity and attendance. The result of creating this system is that the principal can find out whether the teacher's grades fall into the good or poor decision category.

***Keywords**: Teacher, Performance, Tsukamoto, Fuzzification, Fuzzy Inference, Defuzzification*