PENILAIAN KINERJA GURU DI SMP N 2 KALIWUNGU MENGGUNAKAN FUZZY INFERENCE SYSTEM (FIS) MAMDANI

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ABSTRAK

Dalam melakukan peningkatan kualitas penilaian kinerja guru pihak Kepala Sekolah maupun Sekolah banyak yang belum melibatkan siswa - siswinya sehingga masih terdapat kekurangan-kekurangan. Oleh karena itu perlu dilakukan pengukuran penilaian kinerja guru yang melibatkan muridnya agar upaya peningkatan kinerja guru yang akan dilakukan dapat memenuhi harapan muridnya dan orang tua. Penilaian tentang kinerja guru dapat berbeda-beda bagi setiap murid. Misalnya ada murid yang merasa cukup puas terhadap kinerja guru tertentu tetapi ada pula orang yang menilai kurang puas terhadap kinerja guru yang sama. Pendekatan yang dipakai penulis untuk mengukur penilaian kinerja guru adalah logika fuzzy mamdani. Fuzzy Mamdani merupakan salah satu metode yang sangat fleksibel dan memiliki toleransi pada data yang ada. Fuzzy Mamdani memiliki kelebihan yakni, lebih intuitif, diterima oleh banyak pihak, lebih cocok input yang diterima dari manusia bukan mesin. Metode tersebut akan coba penulis terapkan pada kasus penilaian kinerja guru berdasarkan Tangibility, Reliability, Responsiveness, Assurance, dan Empaty. Dari variabel-variabel tersebut dihasilkan defuzzyfikasi yang merupakan output penilaian kinerja guru didapatkan bilangan riil sebesar 84,9 yaitu merupakan keanggotaan dari domain himpunan bilangan fuzzy baik yang artinya variabel penilaian kinerja guru sudah dapat dikatakan baik yaitu mencapai 84,9 .

Kata Kunci   :   Penilaian Kinerja Guru,Metode Fuzzy Mamdani.

ASSEMENT OF PERFORMANCE IN SMP N 2 KALIWUNGU USING FUZZY INFERENCES SYSTEM (FIS) MAMDANI

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ABSTRACT

In improving the quality of teachers' performance appraisal, the principals and schools have not involved the students so there are still shortcomings. Therefore it is necessary to measure the performance of teachers' performance that involves the students so that efforts to improve teacher performance will be done to meet the expectations of students and parents . Assessment of teacher performance may vary for each student. For example there are students who feel quite satisfied with the performance of certain teachers but there are also people who rate less satisfied with the performance of the same teacher . Approach used by writer to measure teacher performance appraisal is fuzzy mamdani logic . Fuzzy Mamdani is one method that is very flexible and has tolerance to existing data. Fuzzy Mamdani has the advantage that, more intuitively, accepted by many parties, more suitable input received from humans rather than machines . The method will try to apply the author in the case of teacher performance assessment based on Tangibility , Reliability , Responsiveness , Assurance , and Empaty . From these variables , defuzzyfication resulted is the output of teacher performance appraisal got real number equal to 84,9 which is membership of domain set of fuzzy number good which mean variable of performance appraisal of teacher have good say that reach 84,9.

Keyword 		: 	Teacher performance appraisal,Mamdani FuzzyMethod.