ABSTRACT

Database systems that currently exist can only handle certain, deterministic,

and precision data. Whereas, in real conditions some vague data on database system

for decision making process is often needed. Therefore, to overcome that problem, a

fuzzy logic concept could be used.

This final project implement tahani model of fuzzy database into query that is

called Fuzzy Query Database. It means a query has variables which is valuable of

fuzzy. As for the method of calculating the decision support used mamdani's method.

Decision making will give information about lecturer performance, then presence and

performance criteria of lecturer that is valuable of ambiguous is needed. The criteria

data is based on the degree of membership of each lecturer will be processed through

tahani fuzzy method process.

Through this final project is expected to create a system that can analyze and

provide competent and professional value for the performance of lecturers in the

Faculty of Electrical Engineering, Telkom University consistent with the criteria from

existing data by applying fuzzy databases.

Key words: Fuzzy Logic, Fuzzy Query Database, Lecturer Performance

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