

## ABSTRACT

*Classification as one of data mining task which purpose to predict the membership each instant at data, to gain information.*

*Classification typhus data at this task using predictive method, which is DeEPs (Decision making by Emerging Patterns). DeEPs is an instance-based classification method which mean each record at testing data will be compared with training data to get local solution function. Emenging Pattern concepts are used to get this local solution functions. Emerging Pattern is itemset or pattern where emergence frequency change significantly between classes at data. Particularly at DeEPs classification method the observed pattern are that only appear in a class, known as JEP (Jumping Emerging Pattern). After Jumping Emerging Patterns are founded then these JEPs frequency will be counted and compared to determine the class a record belong.*

*Implementation of DeEPs requires some effeciency to reduce number of powerset of patterns that are searched during difference operation among maximum representation of the class. From experiment which has done DeEPs show good result in terms of accuration and time of classifaction.*

**Keys:** *predictive method, DeEPs (Decision making by Emerging Pattern), instance-based classification method, testing data, training data, local solution function, Emerging pattern, itemset, JEP (Jumping Emerging Pattern).*