**ABSTRACT**

Khikmayanti, Afro. 2012. *The influences of approach PAKEM (Learning of active, creative, effective, and gratify) with helping the random concept maps on subject Redox reactions on Student learning outcomes class X MAN Parakan Temanggung*. Final Project, Chemistry Department, Mathematic and Sains Faculty, Semarang State University. First advisor I Dr. Kasmadi Imam S, M. S. Second advisor lecture II Dra.Saptorini, M.Pi.

keywords :approach PAKEM, learning outcome, random concept mapping

Education on Indonesia being success pillar to progression and purpose educated nation lives influenced efforts school instance to seriously achieve this porpuse. The Method should still on confine appropriate of school curriculum. The innovative methods should be improving achievement and comprehension student on their studied, but on thet methods, character of student also needed to viewed, as object must be educated, so that need method to drumming up education. One of method that can to do is with PAKEM approached helping with random concept maps. Basicly this method close with talk lecture as previous method, but in PAKEM approached focus on happiness learning without decreasing student comprehension degree. PAKEM is resume by Learning of active, creative, effective, and gratify. On this method, students expected be able entered material very well, with creative and happiness. The Research doing in class X. Kinds this research is experiment research. Determining sample do according with cluster random sampling because have the same condition dan distribution is normal. Experiment class on X-9 and control class on X-10. In Experiment class giving PAKEM approached helping with random concept maps and for control class use conventional method, that is talk lecture. The data of research quantitative analysed. The result of the research refers that mean pos test for Experiment class is 77,11 and control class 70,08 with bigness contribution is 68,59%. According to this result so can make conclude that PAKEM approached helping with random concept maps influential to learning resulton subject Redox reactions on Student learning outcomes class X MAN Parakan Temanggung and suitable to used or suggested to teacher on learning school.