ABSTRACT

Social Sciences (IPS) is one of the facilities and educational functions as a cultural transformation. Based on initial observations in studies Padmajaya grade 5 elementary school is still low yields of student learning in social studies, especially about the culture of Indonesia. With these problems, it is necessary to develop an alternative approach to problem solving through learning.

Application of the tools of learning dances, songs and traditional houses of this area using a model approach to problem based learning (PBL), this model is a model of learning approaches that engage students with issues that empower fikir power, creativity, and student participation in problem solving so that motivation and a sense of want to know to be increased. As well as the application is built using waterfall method and tested by the testing blackbox, whitebox testing by performing calculations cyclomatix complexity and different test samples t-test related.

Based on the whitebox testing with cyclomatix computation complexity in the application of this learning tool has good structure, stable and low risk procedures. On different test samples t-test significance values obtained relate learning tool applications dances, traditional songs and traditional houses can support learning in social studies and increase the value of social studies.

Keyword : Problem Based Learning, teaching social studies, whitebox, waterfall