

# THE DEVELOPMENT OF SCIENCE LESSON PLAN GUIDE BASED ON LABORATORY WORK TO BUILT THE CRITICAL THINKING OF TEACHER CANDIDATE AT ELEMENTARI SCHOOL TEACHER EDUCATION

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## ABSTRACT

This study aims at developing science lesson plan guide based on laboratory work to built the critical thinking of teacher candidate at elementary school teacher education. Especially, this research focuses on: 1) developing science lesson plan guide based on laboratory work to build the critical thinking of teacher candidate at elementary school teacher education; 2) gathering empirical evidences of elementary school teacher student abilities in creating and developing science lesson plan guide based on laboratory work; and 3) gathering empirical data of their worthy.

This developmental research adopted of Four-D's Model procedures such as define, design, develop and disseminate. Hence, this research is done till develop step with limited trials. Elementary school teacher students of S1 PGSD FIP UNY are involved in this research. Data were gathered through observation and documentation of final products. All of data were analyzed by descriptive of qualitative with percentage of achievement.

Research findings proved that it has been developed SLOs model as an integrated assessment which is validated by limited trials. Results reveal that 1) science lesson plan guidance have helped students as elementary school teacher candidate in developing the active learning; 2) All of students found convenience in creating lesson plan based on laboratory, but some of them have the lack of creativity in creating worksheet; and 3) products as a final result are worthy to be implemented in very high category.

Kata Kunci: *lesson plan, science, Inquiry, Critical Thinking*