ABSTRACT

Muhamad Fazar Nurhadi. Technological Pedagogical Content Knowledge (TPACK) Analysis of Prospective Chemistry Teachers on the Application of Lesson Study in Teaching Skills Practices. Jakarta: Chemistry Education Study Program, Faculty of Mathematics and Natural Sciences, Jakarta State University, August 2019.

This study aims to get an overview of TPACK chemistry teacher candidates on the application of lesson study in practical teaching skills courses. The study was conducted at Jakarta State University, Jakarta 30 Public High Schools and Jakarta 26 Public Vocational Schools in the odd semester of the 2018/2019 school year. The subject of the 7th semester student research. The method used in this study is qualitative descriptive. Data collection techniques through observation, reflective journals, TPACK questionnaires and interviews. The data analysis technique used is qualitative data analysis with stages namely data reduction, data display, conclusion and verification. The quality standard used is trustworthiness with credibility criteria through prolonged engagement, persistent observation, progressive subjectivity and member checking. The results showed that the TPACK of chemistry teacher candidates on the application of lesson study in practical teaching skills courses showed the development of TPACK of chemistry teacher candidates from perception level to conception level.

Keywords: TPACK, Prospective Chemistry Teachers, Lesson Study