# ABSTRACT

**Silvia, Resi. P3A119010.** The Investigation of TPACK Level and the Implication toward Lecturers' Competence in Online Teaching During Covid-19 in Private Higher Education Jambi. Promotor: Eddy Haryanto, M.Sc.Ed, M.PP., Ph.D., Co-promotor: Dr. Dra.Rosinta Norawati, MA

Teaching and learning process is quite difficult to do since Covid-19 pandemic has rapidly influenced the nature of teaching and learning across all educational aspects around the world, especially in Indonesia. There are lots of competencies that lecturers must have, plus in this current pandemic that forces every teacher to master technology, one of those is TPACK (Technological Pedagogical Content Knowledge). This study was conducted to investigate the level of lecturers' TPACK and their competence in teaching and learning on online environment during Covid-19 pandemic. It also aimed to explain the association among variables of TPACK and competence. This study was conducted for three months from April to June 2021 utilizing survey as a data collection method. The population of the study comprised all lecturers in all private colleges in Jambi City. The design of the study involved one hundred and seventy-one lecturers (n=171) in private higher education in Jambi. The data were obtained through TPACK questionnaire and competence questionnaire. ANOVA and SEM were used to analyze the level of TPACK and competence. All aspects of TPACK and lecturers' competences categorized in the high category (mean score > 4.00). This study showed that the relationships of all TPACK components were complex involving some significant hypotheses. The results showed that CK significantly affect TCK, TK significantly affect TCK, TK significantly affect TPK, PK significantly affect TPK, TCK significantly affect TPACK, TPK significantly affect TPACK. Findings from the study also revealed that the level of lecturers' TPACK and performance varied in terms of age, gender, teaching experience, and the level of education. In term of gender, there was significant difference of lecturers' competence. In addition, it was reported that there were significant differences of scale scores of TK, PK, TCK and TPK in term of level of education. The finding of the hypothesis test shows most latent variables gave contribution positively. The results of this study help shed light on this new area of research.

**Keywords**- TPACK, Technology, Competence, Structural Equation Model (SEM), Covid-19 Pandemic