ABSTRACK

Salsabila Kharisma Aprilia. 2023. *Implementation of Learning Media Developed with Articulate Storyline as a TPACK Component to Improve Students Analysis Ability on Ecosystem Material. Supervised by* **Dr. H. Uus Toharudin, M.Pd., Dr. drh. Nia Nurdiani, M.Si.**

Students difficulties in developing analytical thinking skills in understanding Ecosystem material require interactive learning media so that students can interact directly during learning. The use of the TPACK framework by utilizing Articulate Storyline learning media can increase interaction, learning motivation and learning activities of students. The research objective was to determine the increase in students analytical skills in implementing learning media developed with the Articulate Storyline application in the TPACK framework on Ecosystem material. The research method uses a Pre-Experimental Design designed with a One-Group Pretest-Posttest Design. SMA Pasundan 2 Bandung became the research location with a sample of 35 students in class X MIPA 4 who were selected using a purposive sampling technique. The research instrument to measure students analytical abilities used multiple choice questions, to measure students responses using a non-test instrument in the form of a questionnaire. The average pretest score is 72, the posttest average is 93 with an N-gain of 63% including the high category. The average percentage of student responses that answered "Yes" was 96% and the answer "No" was 4%. Implementation of learning media developed with Articulate Storyline as a TPACK component in Ecosystem learning material can improve students analytical abilities. Suggestions for further research are to prepare enough time to compile a framework (storyboard) so that learning media are produced that can attract students attention.

Keywords: Articulate Storyline, Ecosystem, TPACK