# ABSTRACT

YULITA GUSTIANI. 2023. **Pengembangan Media *Articulate Storyline 360* Untuk Mengeksplor *Higher Order Thinking Skill* Menurut Brookhart Pada Materi Perbandingan.** Program Studi Magister Pendidikan Matematika. Fakultas Pascasarjana. Universitas Siliwangi.

The aim of this research is to comprehensively describe the development procedures and analyze the effectiveness of the Articulate Storyline 360 comparison learning media for exploring the Higher Order Thinking Skill according to Brookhart, as well as describe the results of the Higher Order Thinking Skill according to Brookhart for students after receiving the Articulate Storyline 360 comparison learning media. This research method is research and development Research & Design (R&D). This research procedure adapts the MDLC (Multimedia Development Life Cycle) development model developed by Luther-Sutopo, namely a development model consisting of six stages. Consisting of Concept, Design, Material Collecting, Assembly, Testing, and Distribution. At the concept stage it was determined that the learning media was intended for class VII students in semester 2 and aimed to explore Higher Order Thinking Skills according to Brookhart in students. At the design stage the researcher made a flowchart and storyboard. At the material collection stage, researchers collect various materials that will be included in learning media. At the assembly stage, researchers created learning media using the Articulate Storyline 360 application and produced Articulate Storyline 360 learning media using comparative material. At the testing stage, the learning media is validated by material experts and media experts so that it is declared "valid" and "very suitable for use". Then it was tested on mathematics teachers and students were tested so that they got a response in the "very good" category. At this stage it was also discovered that the average value of Higher Order Thinking Skill according to Brookhart for students at the posttest was greater than the average value of Higher Order Thinking Skill according to Brookhart at the time of the pretest. At the distribution stage, researchers store learning media that is ready to be operated or duplicated for publication. The Articulate Storyline 360 learning media uses effective comparison material for Higher Order Thinking Skills according to Brookhart for students. Students fulfill the indicators of identifying questions and things that are known from the problem and solving the problem by explaining it, designing ways to solve the problem, and combining parts of the work steps into a new unity; draw deductive conclusions; identify implicit assumptions; identify the problem to be solved and transform the problem into a mathematical model; and organize existing ideas by involving solving problems with more than one solution.

Keyword : Higher Order Thinking Skill, Learning Media Developmnet, Articulate Storyline 360