

**THE DEVELOPMENT OF HANNAFIN AND PECK  
INSTRUCTIONAL DESAIN BY INTERACTIVE  
PUZZLE IN CELL DIVISION TOPIC  
FOR SMA STUDENTS**

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**ABSTRACT**

This research aims to develop an interactive learning puzzle media on cell division topic for SMA students by instructional design Hannafin and Peck model and know the proper media interactive puzzle on cell division topic. The kind of this research is descriptive quantitative. The construction and contents number was validated before used to students is by expert validator. The result of research are validation with categorized less good (0-25%), good enough (25-50%), and good (50-75%), and very good (75-100%) then continue for validation to content expert the result of first validation in average 62,5% and then the suggestion from the first validator given to second validator that is the construction expert and in this validation got average 90% after that the media made again with the suggestion of validators and the last validation again to the content expert and the result average 85.5% with credit very good. Learning media interactive puzzle games concept contained in these materials can improve science process skills, because students have been directed and explored to find the concepts themselves, but remain in the application guidance of the teacher indispensable in the learning process.

**Keyword:***Learning Media, The development of Hannafin and Peck Instructional design, and Cell Division.*