

ABSTRACT

Suriyani Irmawati. Development of Metacognitive Ability-Oriented Science and Science Learning Design to Improve Critical Thinking Ability of Class IV Students at SDN 2 Sukamulia. Thesis, Primary School Teacher Education Study Program, FIP, Hamzanwadi University, 2023.

The purpose of this research is to develop an IPAS (Integrated Performance Assessment System) learning tool design for 4th grade students. This research falls under the category of research and development. The development of this learning tool follows the ASSURE development procedure as outlined by Heinich (Pribadi, 2009), which includes the following steps: 1) *Analyze Learner*, 2) *State Objectives*, 3) *Select methods, media, and materials*, 4) *Utilize media and materials*, 5) *Require learner participation*, 6) *Evaluate and Revise*. The instruments used in this research include validation sheets and questionnaires. Validation sheets are employed to validate the content and design of the learning materials. Questionnaires were used to assess teachers' responses to the instructional module, worksheets, teaching materials, and instructional media (PPT). Based on the results of the material expert validation, the teaching module obtained an actual score of 51 with an interval of $44.2 \leq 54.6$, categorized as "Baik" validity, and the media expert validation sheet obtained an actual score of 44 with an interval of $X > 37.8$, categorized as "Sangat Baik" validity. The LKPD material expert validation sheet obtained an actual score of 57 with an interval of $X > 54.6$ categorized as "Sangat Baik" validity, and the media expert validation sheet obtained an actual score of 56 with an interval of $X > 50,4$ categorized as "Sangat Baik". The material expert validation sheet for teaching materials obtained an actual score of 56 with an interval of $X > 54.6$ categorized as "Sangat Baik", and the media expert validation sheet obtained an actual score of 74 with an interval of $X > 67.2$ categorized as "Sangat Baik" validity. The learning media material expert validation sheet obtained an actual score of 62 with an interval of $X > 58.79$ categorized as "Sangat Baik" validity, and the media expert validation sheet obtained an actual score of 50 with an interval of $X > 46.14$ categorized as "Sangat Baik" validity.

Keywords: The development of IPAS (Integrated Performance Assessment System) learning design, Metacognitive, and Critical Thinking.