PENGEMBANGAN LKPD BERBASIS *INQUIRY SCIENCE ISSUES* UNTUK MENGEMBANGKAN *PRACTICAL SKILLS* DAN *SCIENTIFIC ATTITUDE* PESERTA DIDIK SMP

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ABSTRAK

Penelitian ini bertujuan untuk menghasilkan LKPD berbasis *inquiry science issues* yang layak menurut penilaian validator. Selain itu, penelitian ini juga bertujuan untuk mengetahui *practical skills* dan *scientific attitude* peserta didik SMP yang menggunakan LKPD tersebut.

Penelitian ini merupakan penelitian *Researh and Development* (R&D) yang menerapkan model 4D (*Define, Design, Develop,* dan *Disseminate*) dari Thiagarajan, *et. al.* Namun, dikarenakan keterbatasan peneliti, tahap *disseminate* tidak dilakukan. Sehingga penelitian hanya sampai pada tahap *develop*. Pada tahap pendefinisian (*define*) dilakukan analisis awal, analisis peserta didik, analisis tugas, analisis konsep, dan merumuskan tujuan pembelajaran. Rancangan awal LKPD dihasilkan pada tahap perancangan (*design*). Selain itu, pada tahap tersebut juga disusun instrumen yang berupa lembar validasi produk, lembar observasi *practical skills* dan *scientific attitude* peserta didik, serta angket *scientific attitude* peserta didik, dengan teknik analisis data berupa analisis kualitatif dan kuantitatif. Rancangan awal LKPD yang telah dihasilkan pada tahap perancangan lalu ditinjau oleh dosen pembimbing sebelum divalidasi pada tahap pengembangan (*develop*). LKPD yang telah dinyatakan layak oleh validator kemudian diujicobakan di lapangan.

Hasil dari penelitian ini adalah LKPD berbasis *inquiry science issues* dengan tema "Zat Aditif dan Kesehatan" yang layak menurut penilaian validator. Berdasarkan hasil validasi oleh validator komponen kelayakan isi, penyajian, bahasa dan gambar, serta kegrafisan dari LKPD masing-masing memperoleh nilai A, atau dengan kategori sangat baik. *Practical skills* peserta didik yang menggunakan LKPD ini mengalami perkembangan, karena hasil observasi menunjukkan bahwa rerata pesentase skor *practical skills* peserta didik sebesar 44,52% pada pertemuan pertama, 60% pada pertemuan kedua, dan 65,48% pada pertemuan ketiga. Selain itu, *scientific attitude* peserta didik yang menggunakan LKPD ini juga mengalami perkembangan, sebab hasil observasi menunjukkan bahwa rerata persentase skor *scientific attitude* peserta didik berkembang, yaitu 33,87% pada pertemuan pertama, 64,11% pada pertemuan kedua, dan 64,92% pada pertemuan ketiga.

Kata Kunci: *inquiry science issues*, LKPD, *practical skills*, *scientific attitude*

THE DEVELOPMENT OF STUDENT WORKSHEET BASED ON INQUIRY SCIENCE ISSUES TO DEVELOP PRACTICAL SKILLS AND SCIENTIFIC ATTITUDE OF JUNIOR HIGH SCHOOL STUDENTS

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ABSTRACT

The aim of this research is to produce an inquiry science issues-based student worksheet that eligible based on the assessment of validator. In addition, this research is to determine the practical skills and scientific attitude of junior high school students who use the student worksheet.

This research is categorized as Researh and Development (R & D) research with 4D model (Define, Design, Develop, and disseminate) of Thiagarajan, et. al. However, due to limited research, disseminate stage is not done. So research only reached the develop stage. In define stage, the researcher conducted initial analysis, students analysis, task analysis, concept analysis, and formulating learning objectives. An initial draft of the student worksheet produced at the design stage. Moreover, at that stage also arranged instrument, that is product validation form, practical skills and scientific attitude observation sheets, and scientific attitude questionnaire, with qualitative and quantitative data analysis techniques. An initial draft of the student worksheet which has been produced at the design stage, would reviewed by lecturers before being validated during the develop stage. The Student worksheet that have been declared eligible would be tested.

The result of this research is an inquiry science issues-based student worksheet that eligible based on the assessment of validator. Based on the results of validation, the feasibility component, the content, presentation, language and image, as well as graphic component of student worksheet each gain an A score, or excellent category. Practical skills of students who use this student worksheet is develop. The observation results showed that the average pesentase score practical skills of students are 44.52% in the first meeting, 60% in the second meeting, and 65.48% at the third meeting. In addition, the scientific attitude of students who use the student worksheet is also develop, because the results of the observation showed that the scientific attitude average percentage score of students developing, which is 33.87% in the first meeting, 64.11% in the second meeting, and 64, 92% at the third meeting.

Keywords: inquiry science issues, practical skills, scientific attitude, student worksheet