PENGEMBANGAN LEMBAR KERJA SISWA (LKS) IPA TEMA "PENCEMARAN AIR" BERPENDEKATAN INKUIRI TERBIMBING UNTUK MENINGKATKAN KEMAMPUAN *PROBLEM SOLVING* SISWA

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ABSTRAK

Penelitian ini bertujuan untuk: (1) menghasilkan LKS IPA berpendekatan inkuiri terbimbing yang layak menurut dosen ahli dan guru IPA, (2) mengetahui respon siswa terhadap LKS IPA berpendekatan inkuiri terbimbing, serta (3) mengetahui peningkatan kemampuan *problem solving* siswa sesudah menggunakan LKS IPA berpendekatan inkuiri terbimbing.

Jenis penelitian ini adalah pengembangan, yaitu pengembangan LKS IPA berpendekatan inkuiri terbimbing. Langkah pengembangan pada penelitian ini dengan menggunakan model pengembangan 4-D (*Four* D), yaitu: tahap *define* (pendefinisian), *design* (perancangan), *develop* (pengembangan), dan *disseminate* (penyebarluasan). Instrumen yang digunakan adalah lembar validasi LKS untuk mengetahui kelayakan LKS IPA berpendekatan inkuiri terbimbing yang dikembangkan menurut ahli dan guru IPA yang kemudian dianalisis secara deskriptif serta menindaklanjuti saran/ masukan dari validator, pretes-postes untuk mengetahui peningkatan kemampuan *problem solving* siswa dianalisis dengan skor gain ternormalisasi, serta lembar observasi dan angket berupa daftar *checklist* yang dianalisis secara deskriptif.

Hasil penelitian ini adalah: (1) telah dihasilkan LKS IPA berpendekatan inkuiri terbimbing yang layak berdasarkan penilaian dosen ahli dan guru IPA dengan memperoleh skor rata-rata 3,68 (kriteria sangat baik), (2) respon siswa terhadap LKS IPA berpendekatan inkuiri terbimbing memperoleh skor rata-rata 3,57 (kriteria sangat baik), serta (3) LKS IPA berpendekatan inkuiri terbimbing dapat meningkatkan kemampuan *problem solving* siswa dengan skor gain ternormalisasi 0,53 (kriteria sedang).

Kata Kunci: lembar kerja siswa, inkuiri terbimbing, *problem solving*.

DEVELOPMENT OF SCIENCE STUDENT WORKSHEET ON TOPIC "WATER CONTAMINATION" USING GUIDED INQUIRY APPROACH FOR IMPROVING PROBLEM SOLVING JUNIOR HIGH SCHOOL STUDENTS

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ABSTRACT

The aim of this research to: (1) produce of science student worksheet on guided inquiry approach according by expert leacturers and science teachers, (2) know the students response of science student worksheet on guided inquiry approach, and (3) know the improvement of students problem solving after using science student worksheet on guided inquiry approach.

The type of this research is development, that is development of student worksheet on guided inquiry approach. The development process of the media is using 4-D model which consist of four stages i.e. define, design, develop, and disseminate. The instrument used are sheet validation of student worksheet to know the appropriateness of science student worksheet on guided inquiry approach by expert leacturers and science teachers which are then analyzed deskriptively and follow up suggestions/ feedback from validator, pretest-posttest to know increasement students problem solving was analyzed using normalized gain score, observation sheet and questionnaire checklist was analyzed using deskriptive.

The result of research are: (1) produced a viable science student worksheet on guided inquiry approach based on the assessment of expert leacturers and science teachers with average score 3,68 (very good category), (2) the students response of science student worksheet on guided inquiry approach with average score 3,57 (very good category), and (3) used of science student worksheet on guided inquiry approach can improve students problem solving with normalized gain score 0,53 (medium category).

Key Words: student worksheet, guided inquiry approach, problem solving.