

ABSTRAK

NIDA NADILLAH: Pengembangan Lembar Kerja Siswa (LKS) Berbasis *Project Based Learning* Pada Topik Ekologi (Penelitian Terhadap Siswa Kelas X SMAN Jatinangor)

Lembar kerja siswa (LKS) merupakan lembaran tugas dan langkah-langkah untuk menyelesaikan suatu tugas yang harus dikerjakan. Pada umumnya disekolah LKS berupa kumpulan-kumpulan soal yang harus dikerjakan oleh siswa tanpa disertai dengan kegiatan observasi. Tujuan penelitian ini adalah untuk mendeskripsikan kelayakan LKS berbasis *Project Based Learning* pada topik Ekologi. Penelitian ini merupakan penelitian pengembangan dengan model pengembangan 4D. Prosedur yang diadaptasi tersebut meliputi empat tahap: (1) Define, (2) Design, (3) Develop, dan (4) Disseminate. Kelayakan LKS di nilai penilaian ahli ditinjau dari aspek materi, bahasa, isi yang disajikan, grafik, kelengkapan komponen LKS, dan kesesuaian komponen LKS berbasis *Project Based Learning*. Data penelitian diperoleh dari hasil validasi ahli, respon siswa dan penilaian hasil belajar siswa yang dilakukan pada saat uji coba di SMAN Jatinangor. Hasil penelitian ini adalah perangkat pembelajaran biologi berupa lembar kerja siswa (LKS) berbasis *Project Based Learning*. Berdasarkan penilaian (Validasi) yang dilakukan oleh pakar. LKS yang dikembangkan memenuhi kriteria layak dengan skor rata-rata 83%, dan katagori “sangat baik”, sedangkan aktivitas siswa terhadap pembelajaran dengan menggunakan LKS menunjukkan nilai rata-rata 74%. Hasil belajar siswa pada pembelajaran dengan menggunakan Lembar Kerja Siswa LKS berbasis *Project Based Learning* pada materi ekologi adalah 85.5 dengan kategori sangat baik.

Kata Kunci: Pengembangan, *Project Based Learning*, Lembar Kerja Siswa, Ekologi

ABSTRACT

NIDA NADILLAH: The Development of Students Worksheets (LKS) Based of Project Based Learning on the topic of Ecology (Research of the students of grade X SMAN Jatinangor)

Students Worksheets (LKS) is the task sheets and the steps to complete a task that must be done. In general, in schools students worksheets form are the questions that must be answered by the students without accompanied by observation activity. The purpose of this research is to describe the feasibility of worksheets based on Project Based Learning on the topic of ecology. This research is a development research with 4D development model, This adapted procedure includes four stages: (1) Define, (2) Design, (3) Develop, and (4) Disseminate. The feasibility WORKSHEETS in the value of the assessment of the experts reviewed from the aspects of the material, language, contents presented, graphs, completeness of components worksheets, and appropriateness worksheets components based on Project Based Learning. Research data is obtained from the result of the validation experts, the students activity and assessment student learning results which is conducted at the time of the trial in the SMAN Jatinangor. The results of this research is the learning of biology in the form of Students Worksheets (LKS) based on Project Based Learning. Based on assessment (Validation) which is conducted by the experts. Worksheets developed meet the criteria worthy with average scores 83%, and the category of " Very Good", while the activity of students to the learning using worksheets shows average score 74%. The results of student learning on learning using Students Worksheets (LKS) based on Project Based Learning on the material of ecology is 85.5 with very good category.

Keywords: Development Project Based Learning, Students worksheets, Ecology.