ABSTRAK

Monica, NIM 4183141059 (2023). Pengembangan Lembar Kerja Peserta Didik (LKPD) Pembelajaran Biologi Dengan Model Pembelajaran *Problem Based Learning* Pada Materi Keanekaragaman Hayati Di Kelas X IPA SMA N 1 Batang Kuis T.P 2022/2023.

Penelitian ini bertujuan untuk mengetahui tingkat kelayakan Lembar Kerja Peserta Didik yang dikembangkan dengan model pembelajaran *Problem Based Learning* sebagai bahan ajar pada materi Keanekaragaman Hayati kelas X IPA SMA Negeri 1 Batang Kuis. Subjek penelitian ini adalah siswa kelas X IPA-2 yang berjumlah 36 orang. Penilaian kelayakan Lembar Kerja Peserta Didik berdasarkan validasi dari ahli materi, ahli desain dan ahli pembelajaran serta hasil uji lapangan untuk memperoleh respon guru bidang studi biologi dan siswa. Penelitian ini menggunakan model pengembangan 4-D menurut Thiagrajan yang terdiri atas 4 tahap, yakni tahap perencanaan (*define*), tahap perancangan (*design*), tahap pengembangan (*develop*) dan tahap penyebaran (*disseminate*) yang dibatasi dengan uji lapangan terbatas dan penyebaran terbatas untuk melihat ketuntasan belajar klasikal siswa dan efektivitas lembar kerja peserta didik. Hasil penelitian menunjukkan bahwa LKPD dengan model pembelajaran *Problem Based Learning* yang dikembangkan berdasarkan validasi ahli materi diperoleh sebanyak 92% dengan kriteria sangat layak, validasi ahli desain diperoleh sebanyak 85% dengan kriteria sangat layak dan validasi ahli pembelajaran diperoleh sebanyak 96% dengan kriteria sangat layak. Berdasarkan respon guru bidang studi biologi terhadap LKPD dengan model pembelajaran *Problem Based Learning* yang dikembangkan diperoleh sebanyak 92% dengan kriteria sangat layak dan respon siswa diperoleh sebanyak 93% dengan kriteria sangat layak. Ketuntasan belajar klasikal siswa pada penyebaran terbatas diperoleh sebanyak 91% serta nilai *N-Gain* diperoleh skor rata-rata sebanyak 0,73 dengan kriteria tinggi, sehingga lembar kerja peserta didik dengan menggunakan model pembelajaran *Problem Based Learning* layak dan efektif digunakan.

Kata kunci: Pengembangan, LKPD, *Problem Based Learning*, Keanekaragaman Hayati dan Ketuntasan Belajar Klasikal

ABSTRACT

Monica, NIM 4183141059 (2023). Development Of Biology Learning Student Worksheets Using *Problem Based Learning* Models On Biodiversity Materials X IPA SMA N 1 Batang Kuis T.P 2022/2023.

This study aims to find out the degree of feasibility of the Student Worksheet developed with the Problem Based Learning model as a teaching material in the Biological Diversity class X IPA SMA Negeri 1 Batang Kuis. The study's subjects were 36 students in the X IPA-2 class. The assessment of eligibility of the Study Participant Worksheet is based on validation from material experts, design experts and learning experts as well as field test results to obtain the response of biological study teachers and students. This study used a 4-D development model according to Thiagrajan consisting of four stages: the planning stage, the design stage, the development stage and the disseminate stage which were limited with limited field tests and limited deployment to see the student's classical learning performance and the effectiveness of the student worksheet. Research results showed that LKPD with Problem Based Learning models developed based on material expert validation was obtained 92% with very feasible criteria, design expert validation was obtained 85% with very feasible criteria and 96% with very feasible criteria. Based on the response of biological studies teachers to the LKPD with the developed Problem Based Learning model, 92% were obtained with very decent criteria and students responses were obtained at 93% with very decent criteria. The students classical learning satisfaction in a limited distribution was 91% and the N-Gain score and the N-Gain score were 0.73 on high criteria, so that the student worksheet using the Problem Based Learning model is feasible and effective.

Keywords: Development, LKPD, *Problem Based Learning*, Biodiversity and Classical Learning Satisfaction