

ABSTRAK

NURHAYANTI RETNAMASARI. Pengembangan Lembar Kerja Siswa Biologi Berbasis Proses Ilmiah dan Pendidikan Karakter untuk SMP Kelas VII. Tesis. Program Pascasarjana Universitas Negeri Medan. 2016.

Penelitian ini bertujuan untuk: (1) mengembangkan LKS berbasis proses ilmiah dan pendidikan karakter; (2) mengetahui tanggapan guru terhadap LKS Biologi berbasis proses ilmiah dan pendidikan karakter yang dikembangkan; (3) mengetahui tanggapan siswa terhadap LKS Biologi berbasis proses ilmiah dan pendidikan karakter yang dikembangkan, dan (4) mengetahui keefektifan LKS Biologi berbasis proses ilmiah dan pendidikan karakter terhadap hasil belajar siswa. Jenis penelitian ini adalah penelitian pengembangan dengan model Borg dan Gall. Penilaian materi terhadap LKS Biologi berbasis proses ilmiah dan pendidikan karakter, terdiri dari kelayakan isi, keterbacaan dan proses ilmiah. Penilaian desain pembelajaran terhadap LKS Biologi berbasis proses ilmiah, terdiri dari ukuran LKS, desain kulit, dan desain. Hasil penelitian menunjukkan: (1) model pengembangan Borg dan Gall meliputi enam tahap, yaitu penelitian pendahuluan, perencanaan, pengembangan produk awal, validasi, revisi, dan uji coba; (2) tanggapan guru biologi termasuk kriteria yang sangat baik persentase rata-rata 91,67%; (4) tanggapan siswa kelompok kecil termasuk kriteria sangat baik persentase rata-rata 81,94%; dan (5) tanggapan siswa kelompok lapangan terbatas termasuk kriteria sangat baik persentase rata-rata 83,17%. Analisis uji t menunjukkan bahwa dengan menggunakan LKS berbasis proses ilmiah dan pendidikan karakter $74,38 \pm 12,89$ (Mean \pm SD) signifikan lebih tinggi daripada tanpa menggunakan LKS berbasis proses ilmiah dan pendidikan karakter $60,74 \pm 14,69$ ($t_{hit} = -0,90$; $P = 0,000$). Sehingga dapat disimpulkan bahwa LKS Biologi Berbasis Proses Ilmiah dan Pendidikan Karakter pada SMP Kelas VII layak digunakan sebagai penunjang pembelajaran biologi dalam upaya meningkatkan hasil belajar.

Kata Kunci: pengembangan LKS, LKS Biologi, proses ilmiah, pendidikan karakter



ABSTRACT

NURHAYANTI RETNAMASARI. The Developing Biology Worksheet Based on Scientific Process and Character Building for The VII Grade Students of Junior High School. Thesis. Postgraduate Program State University of Medan. 2016.

The purposes this study are: (1) to develop worksheet based on scientific process and character building; (2) to determine the teachers responses of biology worksheet based on scientific process and character building that have been developed; (3) to determine the students responses of biology worksheet based on scientific process and character building that have been developed, and (4) to determine the effectivity biology worksheet based on scientific process and character building relates to the students learning outcomes. Assessment material worksheet biology based on scientific process and character building consists of feasibility the content, readability and scientific processes. Assessment learning design worksheet biology based on scientific process and character building consists of size the LKS, leather design, and design. The results showed: (1) the development model Borg and Gall includes six stages, namely the preliminary research, planning, early product development, validation, revision, and testing; (2) the criteria responses biology teachers are very good average percentage of 91.67%; (4) the criteria responses small group of trials are very good average percentage of 81.94%; and (5) the criteria responses terminated group trials are very good average percentage of 83.17%.. The t test analysis showed that the result by using biology worksheet based on scientific process and character building of 74.38 ± 12.89 (Mean \pm SD) significantly higher than without biology worksheet based on scientific process and character building of 60.74 ± 14.69 ($t = -0.90$; $P = 0.000$). Therefore, it can be concluded that The Biology Worksheet Based on Scientific Process and Character Building for First Year of Junior Class is properly used as a support for biology learning in order to increase learning outcomes.

Keyword: worksheet development, biology students, scientific process, character building