**ABSTRAK**

ANDI FATIMAH KADIR. *Pengembangan Perangkat Pembelajaran Biologi Berbasis Lingkungan Materi Invertebrata Kelas X MAN Pinrang* (dibimbing oleh Yusminah Hala dan Alimuddin Ali).

Penelitian ini adalah penelitian pengembangan *(Research and Development),* yang bertujuan untuk mengembangkan perangkat pembelajaran yang sesuai dengan karakteristik pembelajaran biologi berbasis lingkungan dan untuk menilai kualitas perangkat biologi berbasis lingkungan yang memenuhi kevalidan, kepraktisan, dan keefektifan. Produk yang dikehendaki dalam penelitian ini adalah proses pengembangan perangkat yang sesuai dengan karakteristik pembelajaran berbasis lingkungan, dan kualitas perangkat pembelajaran biologi berbasis lingkungan yang valid, praktis dan efektif. Produk tersebut terdiri dari 4 komponen, yaitu (1) RPP; (2) Buku siswa; (3) Lembar kerja siswa; (4) Tes hasil belajar untuk uji perangkat. Proses pengembangan perangkat pembelajaran menggunakan modifikasi model 4-D dari Thiagarajan yang terdiri dari 4 tahapan yaitu pendefinisian (*define*), perancangan (*design*), pengembangan (*develop*), dan penyebaran (*dessiminate*) dihasilkan perangkat pembelajaran yang sesuai dengan pembelajaran berbasis lingkungan. Hasil pengembangan perangkat pembelajaran biologi berbasis lingkungan menunjukkan bahwa (1) secara umum keseluruhan komponen perangkat pembelajaran berbasis lingkungan dinyatakan valid. Hasil analisis validasi RPP Mean = 3,43 (sangat valid), buku siswa M = 3,39 (sangat valid), dan LKS M= 3,70 (sangat valid), dan THB M = 3,70 (sangat valid) (2) secara umum hasil uji coba telah memenuhi kriteria kepraktisan. Hasil pengamatan terhadap keterlaksanaan perangkat pembelajaran berbasis lingkungan selama uji coba adalah M= 1,93 (terlaksana seluruhnya) dengan R= 100% (reliabel), (3) secara umum hasil uji coba telah memenuhi kriteria keefektifan. Hasil pengamatan selama pembelajaran berbasis lingkungan adalah; (a) kemampuan guru mengelola pembelajaran berbasis lingkungan 𝑥̅= 3,75 (sangat tinggi) dengan R= 0,93 (reliabel) (b) aktivitas siswa telah memenuhi interval waktu ideal yang telah ditentukan, (c) persentase respon positif rata-rata total siswa terhadap kegiatan pembelajaran adalah 98,44, (d) hasil belajar siswa dengan persentase ketuntasan total 87,50 %, artinya hasil belajar siswa memenuhi syarat ketuntasan individual yaitu minimal 75 dan ketuntasan secara klasikal minimal 80 % dari nilai KKM.

Kata kunci; pengembangan perangkat pembelajaran, berbasis lingkungan, invertebrata, MAN Pinrang x

**ABSTRACT**

**ANDI FATIMAH KADIR.** 2014**.** *The development of learning package of Biology based on Environment on Invertebrae Material in Class X at MAN Pinrang* (supervised by Yusminah Hala and Alimuddin Ali).

The study is a research and development, which aims at developing learning package appropriate to the characteristics of Biology learning based on environment and examining the quality of Biology package based on environment which is valid, practical, and effective. The intended product in the study is the process of package development appropriate to the characteristics of learning based on environment, and the quality of learning package of Biology based on environment which is valid, practical, and effective. The product consisted of 4 components, namely (1) lesson plan (RPP), (2) student’s book, (3) student’s worksheet, (4) test of learning result to examine the package. The learning package development used a modification of 4-D model by Thiagarajan which consisted of four steps, namely defining, design, development, and dissemination. The results of Biology learning package on based environment indicated that (1) in general, the overall learning package component was confirmed as valid. The result of validation analysis of RPP has Mean + 3.43 (extremely valid), student’s book M= 3.39 ( extremely valid), and student’s worksheet M=3.70 ( extremely valid) and THB M=3.70 ( extremely valid); (2) in general, the tryout result had met the criteria of practical. The result of observation on the implementation of learning package based on environment during the tryout was M= 1.93 ( completely conducted) with R = 100% reliable; (3) in general, the tryout result had met the criteria of effective. The results of observation during the learning based on environment were (a) teacher’s abiliy in managing learning based on environment x= 3.75 ( extremely high) with R= 093 ( reliable), (b) student’s activities had fulfilled the set interval of ideal time, (c) the percentage of positive response of students was 98.44, (d) the student’s learning result with the total completeness percentage was 87.50% meaning that student’s learning result had met the requirement of individual completeness, which was 75 and the classical copmleteness was 80% from KKM score.

Keyword: the development of learning package, based on environment, invertebrae, MAN Pinrang