**ABSTRAK**

**ANDI JUSMAN THARIHK**. 2014. *“Pengembangan Instrumen Penilaiaan Praktikum Zoologi Invertebrata Berbasis Pendekatan Keterampilan Proses Sains di Laboratorium Pendidikan Biologi UIN Alauddin Makassar”.* (dibimbing oleh Ruslan dan Andi Asmawati aziz)

Penelitian pengembangan instrumen penilaiaan praktikum ini bertujuan: (1) Untuk mengembangkan instrumen penilaiaan kognitif, afektif, dan psikomotorik berbasis keterampilan proses sains pada kegiatan praktikum Zoologi Invertebarata di laboratorium pendidikan biologi UIN Alauddin Makassar dan (2) Untuk mengetahui bentuk instrumen penilaiaan kognitif, afektif, dan psikomotorik berbasis keterampilan proses sains pada praktikum Zoologi invertebrata di laboratorium pendidikan biologi UIN Alauddin Makassar. Penelitian ini merupakan penelitian pengembangan (*Research and development*) yaitu pengembangan instrumen penilaiaan praktikum berbasis pendekatan keterampilan proses sains. Prosedur pengembangan perangkat assesmen berbasis keterampilan proses sains mengacu pada model pengembangan Thiagarajan, Semmel dan Semmel (model 4-D ), yang terdiri dari empat tahapan yaitu pendefinisian (*define*), perancangan (*design*), pengembangan (*develop*), dan penyebaran (*dessiminate*). Hasil penelitian ini menunjukkan bahwa: (1) perangkat asesmen praktikum, meliputi: penuntun praktikum, assesmen pra praktikum, proses praktikum dan pasca praktikum (ranah penilaian kognitif, afektif, dan psikomotorik) lembar angket respon asisten, dan tes butir pilihan ganda, secara umum dinyatakan valid dengan nilai validitas yaitu V = 1 atau V = 100%; (2) secara umum hasil uji coba terbatas perangkat assemen telah meliputi assemen pra praktikum, assemen proses praktikum dan pasca praktikum memenuhi kriteria valid dan realibel dengan nilai validitas lebih besar dari 0,3 dan nilai koefisien alpha Cronbach lebih besar dari 0,70, sedangkan nilai rata–rata aspek respon asisten sebesar 3,16 yang berarti memenuhi kriteria respon asisten yang positif terhadap perangkat assesmen yang telah dikembangkan.

Kata kunci: Pengembangan 4-D, Instrumen penilaian Praktikum, Keterampilan Proses Sains, Zoologi Invertebrata

**ABSTRACT**

**ANDI JUSMAN THARIHK**. 2014. *“*Development of Assessment Instrument of the Invertebrata Zoology Practicum based on Science Proses Skill Approach in Biology Education Laboratory of UIN Alauddin Makassar (Supervised by Ruslan dan Andi Asmawati aziz)

The aims of the research are : (1) to develop cognitive, affective, and psychomotor assessment instrumen based on science process skills based on Invertebrata Zoology in biologi education laboratory of UIN Alauddin Makassar biology education and (2) To determine the form of cognitive, affective, and psychomotor assessment instruments based on science process skill on Invertebrata Zoology in biology education laboratory of UIN Alauddin Makassar. This is a Research and development study which refer to development model of Thiagarajan, Semmel and Semmel (model 4-D) that consists of four stages, namely definition (define), the design (design), development (develop), and dessiminate. The results of this study indicate that: (1) the practical assessment, including: guiding practicum, pre-practicum assessment, and post-lab process (on the assessment of cognitive, affective, and psychomotor) questionnaire of assistant response, and a multiple-choice test items, generally declared invalid by the validity of the V = 1 or V = 100%; (2) in general, the result of limited testing of assessmen instrument which cover pre practicum, proses, and post practicum have meet the criteria of valid and realibel by the value of validity the is higher than 0.3 and Cronbach alpha coefficient values is higher than 0.70, whereas, the mean score of assistant response aspect is at 3.16 which means it meets the criteria of a positive response to the assistant assessment instrument that have been developed..

Keywords: 4-D Development, Practical Assessment instruments, Science Process Skills, Zoology Invertebrata