

ABSTRAK

Amin, M. Syahrul Al. (2022). Pengembangan e-modul interaktif berbantuan eXeLearning materi sistem ekskresi pada manusia untuk kelas VIII. Skripsi. Tanjungpinang: Program Studi Pendidikan Biologi, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Maritim Raja Ali Haji. Pembimbing I: Assist. Prof. Nur Eka Kusuma Hindrasti, S.Pd., M.Pd., Pembimbing II: Assist. Prof. Erda Muhartati, S.Si., M.Si.

Kata Kunci : e-modul, interaktif, eXeLearning, sistem ekskresi pada manusia

Penelitian ini bertujuan untuk mengembangkan e-modul interaktif berbantuan eXeLearning pada materi sistem ekskresi pada manusia, kualitas e-modul ini ditinjau dari aspek validitas, praktikalitas dan efektivitas. Penelitian ini merupakan penelitian dan pengembangan (*research and development*) dengan menggunakan model penelitian pengembangan ADDIE terdiri atas 5 tahapan yaitu *analyze, design, development, implementation, dan evaluation*. Berdasarkan hasil penelitian pengembangan diketahui bahwa penilaian validitas pada aspek materi dikategorikan “sangat valid” dan validitas pada aspek media dikategorikan “sangat valid”. Hasil uji praktikalitas dikategorikan “sangat praktis”. Hasil uji efektivitas hasil belajar adalah “cukup efektif”. Dengan hasil tersebut maka e-modul interaktif berbantuan eXeLearning pada materi sistem ekskresi pada manusia dinyatakan sangat valid, sangat praktis dan cukup efektif untuk digunakan peserta didik kelas VIII SMP.

ABSTRACT

Amin, M. Syahrul Al. (2022). Development of eXeLearning-assisted interactive e-module on excretory system material in humans for class VIII. Thesis. Tanjungpinang: Biology Education Study Program, Faculty of Teacher Training and Education, Raja Ali Haji Maritime University. Advisor : Assist. Prof. Nur Eka Kusuma Hindrasti, S.Pd., M.Pd., Co-Advisor : Assist. Prof. Erda Muhartati, S.Si., M.Si.

Keywords: *e-module, interactive, eXeLearning, human excretory system*

This research aim was to develop an eXeLearning-assisted interactive e-module on the material of the excretory system in humans, the quality of this e-module was reviewed from the aspects of validity, practicality and effectiveness. This research was research and development using the ADDIE development research model consisting of 5 stages, namely analysis, design, development, implementation, and evaluation. Based on the results of development research, it was known that the assessment of validity in the material aspect was categorized as "very valid" and the validity in the media aspect was categorized as "very valid". The results of the practicality test were categorized as "very practical". The results of the test of the effectiveness of learning outcomes was "quite effective". With these results, the eXeLearning-assisted interactive e-module on the excretion system material in humans was declared very valid, very practical and effective enough for use by students in class VIII junior high school.