

Pengembangan Lembar Kerja Mahasiswa (LKM) Berbasis Inkuiri Kontekstual Materi Mikrobiologi Air pada Mahasiswa Pendidikan Biologi UNIMED

The Development of Student Worksheet Based Contextual Inquiry of Aquatic Microbiology Material in Students Department of Biology Education UNIMED

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Abstract: The study aims to determine: (1) The results expert material validation of worksheet that has been developed; (2) The results of design experts validation of worksheet that has been developed; (3) Response of lecturer of microbiology subject to worksheet that has been developed; (4) Perception of University of Medan Biology Education students to Worksheet that has been developed; (5) The eligibility of Worksheet for Biology Education students of State University of Medan. This development study uses a modified Borg & Gall model as needed to produce a product of a contextual inquiry-based worksheet. The subjects test consisted of a team of material experts, a team of design specialists, 3 (three) students individual testing of biological education, 9 (nine) students of Biology education small group trial, 20 (twenty) students of Biology education limited field trial. Data collected using questionnaires. The results of material expert validation to microfinance based worksheet in context of water microbiology materials that have been developed with the feasibility of the contents show the percentage of 93.75% included in the category of very good; Feasibility of presentation shows the percentage of 91.44% included in the category of very good; The feasibility of the contextual inquiry component indicates the percentage of 87.82% in the category of good good; The design validation results show that 89.06% percentage is included in the category of very good; The result of the assessment by the lecturer shows the percentage of 93.75% is included in the category of very good; Individual tests show the percentage of 86,66% included in the category of very good; Small group test showed 87.22% percentage included in the category of very good; The test of the restricted group shows the percentage of 91.12% included in the the category of very good. Test based on the data the product worksheet based on inquiry of contextual material of water microbiology which have been developed feasible to be used for student as worksheet in Microbiology course.

Keywords: Development of Student Worksheet, Aquatic Microbiology, Contextual, Inquiry.

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DISKUSI

Purwaning Budi Lestari

Pertanyaan:

Mengapa hanya *inquary* saja yang digunakan?

Jawaban:

Kita ingin melakukan atau menemukan mahasiswa untuk belajar lebih aktif lagi. Karena *inquary* merupakan kegiatan pembelajaran yang menemukan pada proses berpikir secara kritis dan analisis untuk menemukan sendiri jawaban dari suatu masalah yang disajikan. *Inquary* kontekstual pembelajaran yang mana proses pembelajaran tersebut dikaitkan dengan kehidupan sehari-hari, sehingga diharapkan mahasiswa dapat menemukan sendiri suatu konsep pengetahuan.

Umi Mahmudatun Nisa

Pertanyaan:

Atas dasar apa pengambilan sampel pada uji kelompok terbatas?

Jawaban:

Mahasiswa yang telah mengambil dan mengikuti matakuliah mikrobiologi.

Siti Sunariyati

Apakah dosen memberikan tanggapan melalui angket? Dan apakah dosen memberikan tanggapan serta masuk ke dalam ruangan ketika penelitian dimulai?

Jawaban:

Iya, dosen memberikan tanggapan LKM melalui angket namun dosen tersebut tidak masuk untuk observasi. Namun ada dosen ahli materi yang masuk ke dalam ruangan saat penelitian berlangsung