

**PERANCANGAN LEMBAR KEGIATAN PESERTA DIDIK (LKPD)
BERBASIS PEMBELAJARAN INKUIRI TERBIMBING (*GUIDED
INQUIRY LEARNING*) PADA MATERI SISTEM EKSKRESI
DI KELAS XI MAN 1 MEDAN T.P 2017/2018**

**Nur Leli
(NIM. 4142141025)**

Abstrak

Penelitian ini bertujuan untuk mengetahui tingkat kelayakan Lembar Kegiatan Peserta Didik (LKPD) berbasis pembelajaran inkuiri terbimbing (*guided inquiry learning*) pada materi sistem ekskresi berdasarkan penilaian dari ahli materi, ahli pembelajaran, guru dan siswa serta mengetahui kemampuan berfikir kritis dan ketuntasan klasikal belajar siswa di kelas XI MAN 1 Medan T.P 2017/2018. Jenis penelitian yang digunakan yaitu penelitian dan pengembangan (*R&D*) dengan menggunakan model 4-D. Subjek dalam penelitian ini yaitu 1 dosen ahli materi, 1 dosen ahli pembelajaran, 3 guru Biologi, 20 siswa (uji kelompok kecil) serta 37 siswa (penyebaran lapangan terbatas). Objek dalam penelitian ini adalah materi sistem ekskresi. Instrumen yang digunakan yaitu lembar validasi dan angket. Hasil penilaian oleh ahli materi menunjukkan persentase nilai 91,8% (sangat layak), persentase ahli pembelajaran sebesar 93,75% (sangat layak), persentase respon guru Biologi sebesar 87,56% (sangat layak) dan persentase tanggapan peserta didik pada uji kelompok kecil sebesar 76,47% (baik). Hasil persentase rata-rata kemampuan berfikir kritis siswa pada uji lapangan terbatas yaitu 67,33% (cukup baik) dan ketuntasan belajar siswa secara klasikal tercapai dengan persentase 86,11%.

Kata kunci: Perancangan, LKPD, Pembelajaran Inkuiri Terbimbing, Materi Sistem Ekskresi

**THE DESIGN OF STUDENT WORKSHEET BASED ON GUIDED
INQUIRY LEARNING OF EXCRETORY SYSTEM MATERIAL
FOR 11th GRADE MAN 1 MEDAN A.Y 2017/2018**

Nur Leli
(NIM 4142141025)

Abstract

The aim of this research are firstly to know the feasibility level of excretory system worksheet through guided inquiry learning based on the assessment of material lecturer expert, leaning lecturer expert, biology teachers and students, secondly to know the ability thinking critically and through classical student learning for 11th grade MAN 1 Medan A.Y 2017/2018. This research belongs to research and development (R&D), research study which focused on 4-D. Subject of this research were material lecturer expert, leaning lecturer expert, 3 biology teachers, 20 students (small group testing) and 37 students (restricted field disseminate). The object of this study was material of excretory system. The instruments of this research were validity sheet and questionnaire. The Result of this research showed assessment percentages; 91,8% (very appropriate) from lecturer of material expert, 93,75 (very appropriate) from lecturer of learning expert, 87,56 % (very appropriate) response of biology teacher and the last 76,47 % (good) from response of students in small group testing. The result of the average percentage of students critical thinking ability in the limited field test is 67.33% (good enough) and the students learning completeness is achieved by 86.11%.

Keywords: Design, LKPD, Guided Inquiry Learning, Excretory System Material