

**Pengembangan Lembar Kerja Siswa (LKS) Berbasis Inkuiri Terbimbing
pada Sub Materi Uji Kandungan Zat Makanan di SMA Negeri 1
Percut Sei Tuan Tahun Pembelajaran 2017/2018**

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ABSTRAK

Penelitian ini bertujuan untuk: (1) mendeskripsikan proses penyusunan LKS berbasis Inkuiri terbimbing mengikuti tahap pengembangan sistem instruksional model 4-D, dan (2) menghasilkan LKS berbasis inkuiri terbimbing yang baik untuk diterapkan pada pembelajaran biologi di SMA Negeri 1 Percut Sei Tuan dengan sub materi uji kandungan zat makanan. Penelitian menggunakan metode deskriptif dengan desain pengembangan instruksional model 4-D, dibatasi hingga tahap pengembangan (*develop*). Objek penelitian adalah perangkat pembelajaran inkuiri terbimbing pada sub materi uji kandungan zat makanan di SMA Negeri 1 Percut Sei Tuan. Data penelitian diperoleh dari penilaian ahli konstruksi dan ahli isi terhadap LKS yang memuat aspek konstruksi, format, kelayakan isi, kelayakan penyajian, kelengkapan, dan kebahasaan. Hasil penelitian diperoleh, bahwa: (1) konstruksi LKS berbasis inkuiri terbimbing pada sub materi uji kandungan zat makanan di SMA Negeri 1 Percut Sei Tuan dihasilkan nilai 93,75% tergolong kedalam kategori sangat baik; (2) isi LKS berbasis inkuiri terbimbing pada sub materi uji kandungan zat makanan di SMA Negeri 1 Percut Sei Tuan dihasilkan nilai 93,75% tergolong dalam kategori sangat baik, sedangkan untuk hasil respon guru dan siswa terhadap LKS berbasis inkuiri terbimbing pada sub materi uji kandungan zat makanan yaitu respon guru dihasilkan nilai 100% dan respon siswa dihasilkan nilai 88,6%. Hasil penelitian disimpulkan, bahwa produk LKS berbasis inkuiri terbimbing pada sub materi uji kandungan zat makanan di SMA Negeri 1 Percut Sei Tuan yang dikembangkan melalui ini sudah sangat baik digunakan dalam pembelajaran biologi.

Kata Kunci : *Pembelajaran Biologi, Sub Materi Uji Kandungan Zat Makanan, Perangkat LKS, Inkuiri Terbimbing*



**Development of Student Worksheet (LKS) Guided Inquiry Based on Sub
Material of Test Contents Substance Food at SMA Negeri 1
Percut Sei Tuan Year Learning 2017/2018**

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ABSTRACT

This research aims to: (1) describe the process of preparing LKS based guided inquiry follow the stages of development of instructional systems model 4-D, and (2) generate worksheets based guided inquiry was good to applied to study biology at SMA Negeri 1 Percut Sei Tuan with sub matter test contents substance Food. The research uses descriptive method with the developmet instructional design model 4-D, is limited to the stage of development (develop). The object of research is guided inquiry learning device in sub matter test contents substance food at SMA Negeri 1 Percut Sei Tuan. Data were obtained from the assessment of construction experts and expert contents against LKS products based guided inquiry using an assessment intrument worksheets that contain aspects of construction, format, content feasibility, feasibility presentation, completeness, and linguistic. The result were obtained, that: (1) construction LKS based guided inquiry on the sub material content of food substance test at SMA Negeri 1 Percut Sei Tuan generated value 93,75% belong to very good category; (2) the content of LKS guided inquiry based sub material test content substances food at SMA Negeri 1 Percut Sei Tuan generated 93,75% value belong to very good category, while for result of teacher and student response LKS guided inquiry based sub material test content substances food is response of teachers generated 100% value and student response generated value of 88.6%. The result research is concluded that product LKS guided inquiry based sub test material content substance food at SMA Negeri 1 Percut Sei Tuan developed through this has been very well used in biology learning.

Keywords : *Biology Learning, Sub Material Testing of Food Substance, LKS Kit, Guided Inquiry*

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