

LEMBAR PERSETUJUAN PEMBIMBING

SKRIPSI

**“PENGEMBANGAN PERANGKAT PEMBELAJARAN BERBASIS KIT IPA
MEKANIKA PADA MATERI USAHA DAN ENERGI DI SMP”**

(Suatu Penelitian di SMP yang Menerapkan Kurikulum 2013)

Oleh

SRI TRISNA NINGSIH

NIM. 421 413 025

Telah diperiksa dan disetujui oleh :

Pembimbing I



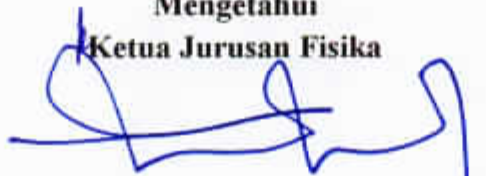
Prof. Dr. Mursalin, M.Si
NIP. 195704121986021008

Pembimbing II



Nova Elysia Ntobuo, S.pd. M.pd
NIP. 198103212008122003

Mengetahui
Ketua Jurusan Fisika



Prof. Dr. H. Yoseph Paramata, M.Pd
NIP. 19610815 198602 1 001

LEMBAR PENGESAHAN

SKRIPSI

“PENGEMBANGAN PERANGKAT PEMBELAJARAN BERBASIS KIT
MEKANIKA PADA USAHA DAN ENERGI DI SMP”

Oleh
Sri Trisna Ningsih
421 413 025

Telah dipertahankan di depan dewan penguji

Hari/Tanggal :

Waktu :

A. Penguji :

1. Prof. Dr. Enos Taruh, M.Pd
NIP. 19590812 198503 1 003

()

2. Supartin, S.Pd, M.Pd
NIP. 19760412 200312 2 004

()

3. Tirtawaty Abdjul S.Pd, M.Pd
NIP. 19790720 200501 2 002

()

B. Pembimbing

1. Prof. Dr. Mursalin, M.Si
NIP. 195704121986021008

()

4. Nova Elysia Ntobuo, S.Pd, M.Pd
NIP. 19810321 200812 2 003

()

Gorontalo, 2017

Dekan Fakultas Matematika dan IPA

()

Prof. Dr. Hj. Evi Halakati, M.Pd

NIP. 19600530 198603 2 001

ABSTRAK

Sri Trisna Ningsih. 2017. “*Pengembangan Perangkat Pembelajaran Berbasis KIT Mekanika pada Materi Usaha dan energi di SMP*” (suatu penelitian yang dilakukan di SMP N 1 Telaga Biru). Skripsi, Program Studi S1 Pendidikan Fisika, Jurusan Fisika, Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Negeri Gorontalo, Pembimbing 1 Prof, Dr. Mursalin, M.Si dan Pembimbing 2 Nova Elysia Ntobuo S.Pd, M.Pd

Penelitian pengembangan perangkat pembelajaran bertujuan untuk menghasilkan perangkat pembelajaran berbasis KIT Mekanika pada materi usaha dan energi yang valid, praktis dan efektif di SMP N 1 Telaga Biru pada tahun ajaran 2016/2017. Penelitian ini merupakan jenis penelitian pengembangan (research and development) yang mengacu pada desain model 4-D yang dikembangkan oleh Triagarajan, Semmel dan Semmel (1974) yang terdiri dari 4 tahap yaitu pendefinisian (*define*), perancangan (*design*), pengembangan (*develop*) dan penyebaran (*disseminate*). Pengumpulan data menggunakan validasi ahli, observasi, wawancara dan tes. Hasil penelitian ini menunjukkan bahwa perangkat pembelajaran yang telah dikembangkan memenuhi kriteria kualitas valid, praktis dan efektif. Hal ini berdasarkan; 1) hasil validasi oleh para ahli bahwa perangkat pembelajaran berbasis KIT mekanika telah memenuhi syarat kevalidan dengan kriteria valid dan layak digunakan, 2) persentase keterlaksanaan pembelajaran dengan nilai rata-rata 93,17% dan respon positif dari guru dan peserta didik tentang perangkat pembelajaran yang dikembangkan mudah (praktis) untuk dilaksanakan dalam proses pembelajaran; dan 3) keefektifan proses pembelajaran yang ditunjukkan dengan aktivitas peserta didik sebesar 83,52%, dan rata-rata hasil belajar pengetahuan secara klasikal mencapai 83,33%, sikap dan keterampilan secara klasikal masing-masing mencapai 100%.

Kata Kunci: Perangkat Pembelajaran, KIT Mekanika, Usaha dan Energi

ABSTRACT

Sri Trisna Ningsih. 2017. *“Development of KIT-Based Learning Tools Mechanics on Business Materials and energy in junior high” (A study conducted at SMP N 1 Telaga Biru).* Thesis, Physics Education S1 Program, Physics Department, Faculty of Mathematics and Natural Sciences, State University of Gorontalo, Supervisor 1 Prof, Dr. Mursalin, M.Si and Supervisor 2 Nova Elysia Ntobuo S.Pd, M.Pd.

The study of learning device development aims to produce learning tools based on KIT Mekanika on business material and energy that is valid, practical and effective at SMP N 1 Telaga Biru in academic year 2016/2017. This research is a type of research and development that refers to the design of 4-D model developed by Triagarajan, Semmel and Semmel (1974) consisting of 4 stages namely define, design, And disseminate. Data collection using expert validation, observation, interviews and tests. The results of this study indicate that the learning tools that have been developed meet the validity, practical and effective quality criteria. It is based; 1) validation results by the experts that learning KIT mechanical learning device has qualified validity with valid criterion and feasible to use, 2) percentage of learning activity with average value 93,17% and positive response from teacher and learner about learning device Developed easy (practical) to be implemented in the learning process; And 3) the effectiveness of the learning process shown by the students' activity is 83.52%, and the average of the learning achievement classically reaches 83.33%, attitude and skills are 100% classical.

Keywords: Learning Tool, Mechanics KIT, Business and Energy

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