

ABSTRAK

Elisabeth Parwati Raharjo. 171414063. 2021. “Pengaruh Penggunaan LKS Berbasis Inkuiri Terbimbing dalam Materi Limit Fungsi untuk Meningkatkan Kemampuan Abstraksi Empiris dan *Self Efficacy* Siswa XI MIPA SMA Negeri 1 Tawang Sari Tahun Ajaran 2020/2021”. Skripsi. Jurusan Pendidikan Matematika Dan Ilmu Pengetahuan Alam. Fakultas Keguruan Dan Ilmu Pendidikan, Universitas Sanata Dharma.

Penelitian ini bertujuan untuk mengetahui (1) pengaruh penggunaan LKS berbasis inkuiri terbimbing dalam materi limit fungsi untuk meningkatkan kemampuan abstraksi empiris siswa XI MIPA SMA Negeri 1 Tawang Sari tahun ajaran 2020/2021 (2) pengaruh penggunaan LKS berbasis inkuiri terbimbing dalam materi limit fungsi untuk meningkatkan *self efficacy* siswa XI MIPA SMA Negeri 1 Tawang Sari tahun ajaran 2020/2021.

Penelitian yang digunakan yaitu penelitian kuantitatif dengan jenis penelitian eksperimen semu tipe *nonequivalent control group design*. Penelitian dilaksanakan di SMA Negeri 1 Tawang Sari dengan subjek penelitian adalah siswa kelas XI MIPA 4 dan XI MIPA 5 SMA Negeri 1 Tawang Sari tahun ajaran 2020/2021. Metode pengumpulan data yang digunakan yaitu tes (*pre test* dan *post test*), angket dan dokumentasi. Instrumen penelitian yang digunakan yaitu RPP, LKS, soal tes (*pre test* dan *post test*) dan pemberian angket. Tahapan analisis data tes (*pre test* dan *post test*) dan angket yaitu (1) uji normalitas (2) uji homogenitas, dan (3) uji hipotesis.

Hasil penelitian menunjukkan bahwa: (1) penggunaan LKS berbasis inkuiri terbimbing dalam materi limit fungsi aljabar secara signifikan berpengaruh positif terhadap kemampuan abstraksi empiris siswa (2) penggunaan LKS berbasis inkuiri terbimbing dalam materi limit fungsi aljabar secara signifikan berpengaruh positif terhadap *self efficacy* siswa. Jadi dapat disimpulkan bahwa penggunaan LKS berbasis inkuiri terbimbing dalam materi limit fungsi aljabar memberikan pengaruh terhadap kemampuan abstraksi empiris siswa dan *self efficacy* siswa kelas XI MIPA SMA Negeri 1 Tawang Sari semester genap tahun ajaran 2020/2021.

Kata kunci: Lembar Kerja Siswa (LKS), Kemampuan Abstraksi Empiris, Dan *Self Efficacy*

ABSTRACT

Elisabeth Parwati Raharjo. 2021. The Effect of Using Guided Inquiry-Based Worksheets in Function Limit Material to Improve Empirical Abstraction Ability and Self Efficacy of XI MIPA Students of SMA Negeri 1 Tawang Sari Academic Year 2020/2021. Undergraduate Thesis. Department of Mathematics and Natural Sciences Education. Faculty of Teacher Training and Education, Sanata Dharma University Yogyakarta.

This study aims to determine (1) the effect of using guided inquiry-based worksheets in the function limit material to improve the empirical abstraction ability of XI MIPA students at SMA Negeri 1 Tawang Sari in the 2020/2021 academic year (2) the effect of using guided inquiry-based worksheets in function limit materials to improve self-efficacy of XI MIPA students at SMA Negeri 1 Tawang Sari for the 2020/2021 academic year.

The research used is quantitative research with a quasi-experimental type of nonequivalent control group design. The research was carried out at SMA Negeri 1 Tawang Sari with the research subjects being students of class XI MIPA 4 and XI MIPA 5 SMA Negeri 1 Tawang Sari for the academic year 2020/2021. Data collection methods used are tests (pre test and post test), questionnaires and documentation. The research instruments used were lesson plans, worksheets, test questions (pre-test and post-test) and questionnaires. The stages of analysis of test data (pre-test and post-test) and questionnaires are (1) normality test (2) homogeneity test, and (3) hypothesis testing.

The results showed that: (1) the use of guided inquiry-based worksheets in the limit algebraic function material had a significant positive effect on students' empirical abstraction abilities (2) the use of guided inquiry-based worksheets in the limit algebraic function material had a significant positive effect on students' self-efficacy. So it can be concluded that the use of guided inquiry-based worksheets in the material of limit algebraic functions has an influence on students' empirical abstraction abilities and self-efficacy of students in class XI MIPA SMA Negeri 1 Tawang Sari in the even semester of the 2020/2021 academic year.

Keywords: *student worksheets (LKS), empirical abstraction ability, self-efficacy*