

ABSTRAK

Munthe, Riris Cloudia Thresia. 2026. *Pengembangan LKPD Berbasis Argument Driven Inquiry (ADI) pada Materi Sistem Pernapasan untuk Peserta Didik Kelas VIII*. Skripsi. Tanjungpinang. Program Studi Pendidikan Biologi, Jurusan Pendidikan Matematika dan Ilmu Pengetahuan Alam, Fakultas Keguruan dan Ilmu Pendidikan. Universitas Maritim Raja Ali Haji. Pembimbing I: Elfa Oprasmani, S.Pd., M.Pd. Pembimbing II: Dios Sarkity, S.Pd., M.Pd.

Kata Kunci: LKPD, *Argument Driven Inquiry*, Sistem Pernapasan

Penelitian ini bertujuan untuk menghasilkan LKPD yang sangat valid dan sangat praktis berbasis *Argument Driven Inquiry* (ADI) pada materi sistem pernapasan. Metode penelitian menerapkan tiga dari empat tahap model pengembangan 4D (*Define, Design, Develop, Disseminate*), namun dibatasi hanya hingga tahap *Develop*. Hasil validasi yang dilakukan oleh validator materi menunjukkan angka 95,31% dengan interpretasi “sangat valid,” sementara hasil dari validator bahan ajar mencapai 90,88% dengan interpretasi “sangat valid.” Hasil uji praktikalitas oleh guru mencapai 94,44% yang diinterpretasikan sebagai “sangat praktis,” sementara peserta didik memperoleh hasil 90,07% dengan interpretasi “sangat praktis.” Berdasarkan penelitian yang telah dilaksanakan, dapat disimpulkan bahwa LKPD yang berbasis *argument driven inquiry* mengenai sistem pernapasan untuk siswa kelas VIII sangat valid dan sangat praktis diterapkan dalam pembelajaran IPA.

ABSTRACT

Munthe, Riris Cloudia Thresia. 2026. *Development of an Argument Driven Inquiry (ADI)-Based Student Worksheet on the Respiratory System Material for Eighth-Grade Students*. Undergraduate Thesis. Tanjungpinang. Biology Education Study Program, Department of Mathematics and Natural Sciences Education, Faculty of Teacher Training and Education, Universitas Maritim Raja Ali Haji. Advisor: Elfa Oprasmani, S.Pd., M.Pd. Co-Advisor: Dios Sarkity, S.Pd., M.Pd.

Keywords: LKPD, Argument Driven Inquiry, Respiratory System

This study aims to produce a very valid and very practical LKPD based on Argument Driven Inquiry (ADI) on the respiratory system material. The research method applied three out of four stages of the 4D development model (Define, Design, Develop, Disseminate), but was limited only to the Develop stage. The validation results conducted by the material validators showed a score of 95.31% with the interpretation 'very valid,' while results from the teaching material validators reached 90.88% with the interpretation 'very valid.' Practicality tests by teachers reached 94.44%, interpreted as 'very practical,' while students obtained results of 90.07% with the interpretation 'very practical.' Based on the research that has been conducted, it can be concluded that the Argument Driven Inquiry-based LKPD on the respiratory system for eighth-grade students is very valid and very practical to implement in science learning.