

ABSTRAK

Kartini. 2026. Pengembangan Handout Berbantuan *Mind Mapping* Pada Materi Sistem Ekskresi Manusia Untuk Siswa Kelas VIII SMP. 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: Dr. Hj. Nevrita, M.Pd. M.Si, Pembimbing II: Dios Sarkity, S.Pd. M.Pd.

Kata kunci: Handout Berbantuan *Mind Mapping* Sistem Ekskresi Manusia

Penelitian ini bertujuan untuk menghasilkan Handout Berbantuan *Mind Mapping* Pada Materi Sistem Ekskresi Manusia di SMP Negeri 16 Tanjungpinang yang valid. Metode penelitian menggunakan tiga dari lima tahap model pengembangan ADDIE (*Analysis, Design, Develop, Implementation, Evaluation*). Penelitian ini belum sampai pada tahap implementasi, hanya sampai pada tahap development yaitu tahap uji validitas. Teknik pengumpulan data dilakukan melalui wawancara, observasi dan menyebarkan angket, dengan instrumen yang digunakan yaitu instrumen analisis kurikulum, materi, kebutuhan peserta didik, dan karakteristik peserta didik. Analisis data yang digunakan meliputi analisis kuantitatif berupa perhitungan skor persentase, serta analisis kualitatif yang mencakup saran dan komentar dari para validator. Berdasarkan hasil penelitian yang diperoleh, tahap desain menghasilkan rancangan bahan ajar yang terbukti layak digunakan sebagai bahan ajar pada pembelajaran IPA, dengan tingkat validitas sangat valid dan berpotensi mendukung proses belajar di dalam kelas.

ABSTRACT

Kartini. 2026. Development of a *Mind Mapping*-Assisted Handout on the Human Excretory System Material for Grade VIII Junior High School Students. Undergraduate Thesis. Tanjungpinang. Biology Education Study Program, Department of Mathematics and Natural Sciences Education, Faculty of Teacher Training and Education, Raja Ali Haji Maritime University. Advisor I: Dr. Hj. Nevrita, M.Pd., M.Si.; Co-Advisor: II: Dios Sarkity, S.Pd., M.Pd.

Keywords: *Mind Mapping*, Handout, Excretory System

This study aimed to produce a valid *Mind Mapping* Assisted Handout on the Human Excretory System for students at SMP Negeri 16 Tanjungpinang. The research employed three of the five stages of the ADDIE development model (Analysis, Design, Development, Implementation, and Evaluation). The study did not proceed to the implementation stage and was limited to the development stage, specifically the validity testing phase. Data were collected through interviews, observations, and questionnaires, using curriculum analysis, material analysis, students' needs analysis, and students' characteristics analysis as the research instruments. The data were analyzed using quantitative analysis in the form of percentage score calculations and qualitative analysis based on the suggestions and comments provided by the validators. Based on the findings, the design stage produced a teaching material design that was demonstrated to be appropriate for use in science learning, achieving a very high level of validity and showing the potential to support the learning process.