

ABSTRAK

Superlesman Laia. 2023. *Pengembangan E-Magazine Kimia Berbasis Process Oriented Guided Inquiry Learning (POGIL) Pada Materi Ikatan Kimia*. Skripsi, Tanjungpinang: Program Studi Pendidikan Kimia, Fakultas Keguruan Dan Ilmu Pendidikan, Universitas Maritim Raja Ali Haji. Pembimbing I: Ardi Widhia Sabekti, S.Pd., M.Pd. Pembimbing II: Dina Fitriyah, S.Pd., M.Si.

Kata kunci : Bahan Ajar, e-magazine, POGIL, ikatan kimia.

Penelitian ini bertujuan untuk mengembangkan *e-magazine* kimia berbasis *Process Oriented Guided Inquiry Learning* (POGIL) pada materi ikatan kimia yang layak dan praktis. Penelitian ini merupakan penelitian pengembangan (*research and development*) dengan model Hannafin dan Peck yang terdiri dari tiga tahap yakni tahap analisis kebutuhan, desain, serta pengembangan dan implementasi. Hasil pengembangan bahan ajar pembelajaran *e-magazine* kimia berbasis POGIL pada materi ikatan kimia ini memenuhi kriteria valid dengan hasil uji validitas materi sebesar 88,75% dengan kategori sangat valid, serta validitas bahan ajar mendapat nilai sebesar 95,83% dengan kriteria sangat valid. Hasil uji kepraktisan diperoleh dari respon guru sebesar 97,11% dengan kriteria sangat praktis dan respon peserta didik sebesar 88,23% dengan kategori sangat praktis. Berdasarkan hasil penelitian dapat disimpulkan bahwa *e-magazine* kimia berbasis POGIL praktis digunakan sebagai bahan ajar pembelajaran.

ABSTRACT

Superlesman Laila, 2023. Developing A Chemistry Electronic Magazine Based On Process-Oriented Guided Inquiry Learning (POGIL) On Chemically Bonded Materials. Thesis, Tanjungpinang : Chemistry Education Study Program, Faculty Of Teacher Training and Education, University Of Maritime Raja Ali Haji Tanjungpinang. Advisor I: Ardi Widhia Sabekti, S.Pd., M.Pd. Advisor II : Dina Fitriyah, S.Pd., M.Si.

Keywords : Educational materials, e-magazine, POGIL, chemical bonding.

This research aims to develop a chemical e-magazine based on Process Oriented Guided Inquiry Learning (POGIL) on chemical bond material that is feasible and practical. This research is research and development using the Hannafin-Peck model and consists of three phases: needs analysis, design, and development and implementation. The development results of his POGIL-based Chemistry e-magazine learning materials on chemically bonded materials meet the valid criteria in the very valid category with a material validity test result of 88,75%. The results of the material validity test obtained a very reasonable standard of 95,83%. The results of the practicality test were determined from teacher responses of 97,11% according to the very practical criterion and student responses of 88,23% according to the very practical category. From the research results, it can be concluded that the POGIL-based chemistry electronic magazine has practical application as a learning material.