

**ABSTRAK****PENGEMBANGAN E-MODUL BERBASIS KONTEKSTUAL BERUPA *FLIPBOOK*  
PADA MATERI HIDROLISIS GARAM**

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Kimia merupakan salah satu mata pelajaran yang dinilai abstrak bagi para peserta didik. Ditambah lagi dengan kondisi pandemi yang kian menuntut peserta didik untuk dapat belajar secara mandiri. Peserta didik mengalami kesulitan belajar selama masa pandemi terutama pada materi hidrolisis garam. Perlu adanya pengembangan produk yang dapat membantu peserta didik dalam pembelajaran daring. Penelitian ini dilakukan untuk menghasilkan produk e-modul kimia berbasis kontekstual menggunakan model flipbook pada materi hidrolisis garam dan mengetahui kriteria valid, efektif, dan praktis dari produk yang dikembangkan. Jenis penelitian yang digunakan adalah R&D (*Research & Development*), dengan model pengembangan desain Borg and Gall (2003) yang telah dimodifikasi menjadi lima tahapan. Uji coba terbatas dilakukan terhadap 19 peserta didik kelas XI SMA Negeri 2 Bantul. Instrumen penelitian yang digunakan adalah lembar wawancara, lembar validasi, lembar observasi, soal evaluasi aktivitas belajar, dan lembar angket respon peserta didik. Hasil penelitian menunjukkan bahwa (1) model pengembangan Borg and Gall (2003) sesuai digunakan untuk pengembangan e-modul berbasis kontekstual berupa *flipbook* pada materi hidrolisis garam; (2) produk telah memenuhi kriteria valid dari segi media sebesar 73% dan materi sebesar 71%; efektif dengan perolehan persentase rata-rata *N-Gain* berada pada kriteria sedang; efektif berdasarkan hasil evaluasi aktivitas belajar satu yaitu 26% peserta didik terbilang sangat aktif dan 63% peserta didik terbilang aktif; efektif berdasarkan hasil evaluasi aktivitas belajar dua yaitu 84% peserta didik memperoleh nilai 90; efektif pada aktivitas belajar tiga yaitu 100% peserta didik memperoleh nilai 100; produk dinyatakan praktis berdasarkan rata-rata hasil angket respon peserta didik yang diperoleh sebesar 80%. Pengembangan e-modul kimia berbasis kontekstual menggunakan *flipbook* pada materi hidrolisis garam telah memenuhi kriteria valid, praktis, dan efektif.

**Kata kunci:** E-modul, hidrolisis, *flipbook*, R&D, Borg and Gall

**ABSTRACT****DEVELOPMENT OF CONTEXTUAL-BASED E-MODULE IN THE FORM OF FLIPBOOK ON TOPIC OF SALT HYDROLISIS**

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*Chemistry is one of the subjects that is considered abstract for students. This is in addition to the pandemic conditions that require students to be able to learn independently. Students experience learning difficulties during the pandemic, especially on salt hydrolysis material. There is a need for product development that can help students in online learning. The aims of this research are developing a contextual-based chemical e-module using a flipbook on salt hydrolysis material and knowing the validity, effectiveness, and practical criteria of the product being developed. The type of research used is R&D (Research & Development), with the Borg and Gall (2003) design development model which has been modified into five stages. A limited trial was conducted on 19 students of class XI SMA Negeri 2 Bantul. The research instruments used were interview sheets, validation sheets, observation sheets, learning activity evaluation questions, and student response questionnaire sheets. The results showed that (1) the development model of Borg and Gall (2003) was suitable for the development of contextual-based e-modules in the form of flipbook on topic of salt hydrolysis; (2) the product has met the valid criteria in terms of media by 73% and material by 71%; effective with the average percentage of N-Gain is in the medium criteria; effective based on the results of the evaluation of learning activity one, namely 26% of students are considered very active and 63% of students are considered active; effective based on the results of the evaluation of learning activity two, namely 84% of students scored 90; effective in learning activity three, namely 100% of students get a score of 100; the product is considered practical based on the average student response questionnaire results obtained by 80%. The development of a contextual-based chemistry e-module using a flipbook on salt hydrolysis material has met the valid, practical, and effective criteria.*

**Keywords:** *E-module, hydrolysis, flipbook, R&D, Borg and Gall*