

ABSTRAK

Pertiwi, 2018. Pengembangan Bahan Ajar *Chem Videos* Materi Keselamatan Kerja dan Keamanan Laboratorium Kimia di MAN 2 Kota Semarang. Skripsi, Program Studi S1 Pendidikan Kimia, Universitas Muhammadiyah Semarang. Pembimbing : I. Dra. Endang Sriwahyuni Maharani, M.Pd., II. Dra. Yusrin M.Pd.

Pembelajaran yang baik dan berlangsung lancar memerlukan bahan ajar yang baik dan sesuai dengan kondisi kelas maupun karakter siswa. Pada mata pelajaran kimia merupakan pembelajaran produktif/praktik sehingga membutuhkan bahan ajar yang mengandung unsur gerak, suara, dan gambar. Tujuan penelitian ini adalah mengetahui validasi bahan ajar *chem videos* materi keselamatan kerja dan keamanan laboratorium kimia. Penelitian ini merupakan penelitian pengembangan tahap validasi ahli materi dan ahli media dilaksanakan di UNIMUS dan di MAN 2 Kota Semarang yang melibatkan 2 dosen UNIMUS dan 3 guru MAN 2 Kota Semarang, serta uji kelayakan bahan ajar *chem videos* pada siswa kelas X IPA 1, XI IPA 4, dan XI IPA 5 di MAN 2 Kota Semarang. Data penelitian diperoleh dengan metode validasi, dokumentasi dan skala likert. Hasil validasi ahli materi, ahli media, dan praktisi menunjukkan bahan ajar *chem videos* materi keselamatan kerja dan keamanan laboratorium kimia termasuk dalam kategori sangat layak.

Kata kunci : Penelitian Pengembangan, Bahan Ajar *Chem Videos*, Keselamatan Kerja dan Keamanan (K3)

ABSTRACT

Pertiwi, 2018. Teaching Material Development by using *Chem Videos* Occupational Health and Safety (OHS) or Keselamatan Kerja dan Keamanan in Chemical Laboratory at MAN 2 Kota Semarang. Final Project, Undergraduate Program of Chemistry Education, University of Muhammadiyah Semarang. Advisors: I. Dra. Endang Tri Wahyuni Maharani, M.Pd., II. Dra. Yusrin M.Pd.

The preminent learning would be going well and require appropriate teaching materials in accordance with class condition as well as on students' character. In chemistry subjects is productive learning and practice so it requires teaching materials that contain elements of motion, sound, and image. The purpose of this research is to know the validation of teaching materials Chem videos material on Occupational Health and Safety (OHS) or Keselamatan Kerja dan Keamanan in Chemical Laboratory. This research is a research development of validation stage of material experts and media experts implemented in 2 University of Muhammadiyah Semarang (UNIMUS) and MAN 2 Kota Semarang which involves UNIMUS's lecturers and 3 teachers of MAN 2 Kota Semarang, and the feasibility test of Chem lesson materials on students of class X IPA 1, XI IPA 4, and XI IPA 5 in MAN 2 Kota Semarang. Research data obtained by validation method, documentation and likert scale. The results of the validation of material experts, media experts, and practitioners show Chem videos material on Occupational Health and Safety (OHS) or Keselamatan Kerja dan Keamanan in Chemical Laboratory are included in the very feasible category employ in chemical laboratory.

Keywords : *Research Development, Teaching Material of Chem Videos, Occupational Health and Safety (OHS) or Keselamatan Kerja dan Keamanan (K3)*