

DAFTAR ISI

Halaman

HALAMAN SAMPUL	
HALAMAN LOGO	
HALAMAN JUDUL.....	i
HALAMAN PERSETUJUAN PEMBIMBING	Error! Bookmark not defined.
HALAMAN PENGESAHAN	Error! Bookmark not defined.
HALAMAN PERNYATAAN.....	Error! Bookmark not defined.
ABSTRAK	Error! Bookmark not defined.
KATA PENGANTAR.....	Error! Bookmark not defined.
DAFTAR ISI.....	1
DAFTAR TABEL	4
DAFTAR GAMBAR.....	6
DAFTAR LAMPIRAN	9
BAB I PENDAHULUAN	Error! Bookmark not defined.
1.1 Latar Belakang.....	Error! Bookmark not defined.
1.2 Rumusan Masalah	Error! Bookmark not defined.
1.3 Batasan Masalah	Error! Bookmark not defined.
1.4 Tujuan Pengembangan.....	Error! Bookmark not defined.
1.5 Spesifikasi Produk yang Diharapkan ..	Error! Bookmark not defined.
1.6 Manfaat Hasil Pengembangan	Error! Bookmark not defined.
1.7 Definisi Istilah.....	Error! Bookmark not defined.
BAB II KAJIAN PUSTAKA.....	Error! Bookmark not defined.
2.1 Penelitian yang Relevan	Error! Bookmark not defined.
2.2 Belajar dan Pembelajaran	Error! Bookmark not defined.
2.2.1 Pembelajaran Abad 21	Error! Bookmark not defined.
2.2.2 Teori Belajar	Error! Bookmark not defined.
2.3 Media Pembelajaran.....	Error! Bookmark not defined.
2.3.1 Ciri-ciri Media Pembelajaran	Error! Bookmark not defined.
2.3.2 Jenis-Jenis Media Pembelajaran	Error! Bookmark not defined.
2.3.3 Fungsi dan Manfaat Media Pembelajaran..	Error! Bookmark not defined.
2.3.4 Pengertian Media Interaktif ..	Error! Bookmark not defined.
2.3.5 Prinsip Desain Media Interaktif	Error! Bookmark not defined.
2.4 Pendekatan Kontekstual (<i>Contextual, Teaching, and Learning</i>)	Error! Bookmark not defined.
2.4.1 Pengertian Pendidikan <i>Contextual</i>	Error! Bookmark not defined.

2.4.2	Karakteristik Pembelajaran Kontekstual....	Error! Bookmark not defined.
2.4.3	Penerapan Pendekatan Kontekstual	Error! Bookmark not defined.
2.4.4	Komponen Utama Pembelajaran Kontekstual	Error! Bookmark not defined.
2.4.5	Sintaks/Tahapan Pembelajaran Melalui Pendekatan Kontekstual	Error! Bookmark not defined.
2.5	Pendekatan <i>Chemo-Entrepreneurship</i>	Error! Bookmark not defined.
2.5.1	Pengertian Pendekatan <i>Chemo-Entrepreneurship</i>	Error! Bookmark not defined.
2.5.2	Karakteristik <i>Entrepreneur</i> /Wirausaha	Error! Bookmark not defined.
2.6	<i>Articulate Storyline</i>	Error! Bookmark not defined.
2.6.1	Pengertian <i>Articulate Storyline</i>	Error! Bookmark not defined.
2.6.2	Kelebihan Media Pembelajaran Interaktif <i>Articulate Storyline</i>	Error! Bookmark not defined.
2.6.3	Kelemahan Media Pembelajaran Interaktif <i>Articulate Storyline</i>	Error! Bookmark not defined.
2.6.4	Langkah-Langkah Menjalankan <i>Software Articulate Storyline</i>	Error! Bookmark not defined.
2.7	Model Pengembangan yang Digunakan	Error! Bookmark not defined.
2.8	Materi Koloid.....	Error! Bookmark not defined.
2.8.1	Pengertian Sistem Koloid.....	Error! Bookmark not defined.
2.8.2	Jenis-jenis Koloid.....	Error! Bookmark not defined.
2.8.3	Sifat – Sifat Koloid	Error! Bookmark not defined.
2.8.4	Koloid liofil dan koloid liofob	Error! Bookmark not defined.
2.8.5	Dialisis	Error! Bookmark not defined.
2.8.6	Pembuatan Sistem Koloid.....	Error! Bookmark not defined.
2.8.7	Koloid dalam industri dan kehidupan sehari-hari	Error! Bookmark not defined.
2.9	Produk <i>Chemo-Entrepreneurship</i>	Error! Bookmark not defined.
2.9.1	Pembuatan Es Krim Oreo	Error! Bookmark not defined.
2.9.2	Pembuatan Kembang Tahu ...	Error! Bookmark not defined.
2.9.3	Pembuatan Permen <i>Jelly</i>	Error! Bookmark not defined.
BAB III	METODE PENELITIAN	Error! Bookmark not defined.
3.1	Model Pengembangan.....	Error! Bookmark not defined.
3.2	Deskripsi Sistem	Error! Bookmark not defined.
3.3	Prosedur Pengembangan.....	Error! Bookmark not defined.

3.3.1	Analisis Kebutuhan (<i>Need Assesment</i>)	Error! Bookmark not defined.
3.3.2	Desain.....	Error! Bookmark not defined.
3.3.3	Pengembangan (<i>Development</i>) dan Implementasi	Error! Bookmark not defined.
3.3.4	Evaluasi	Error! Bookmark not defined.
3.4	Uji Coba Produk	Error! Bookmark not defined.
3.4.1	Desain Uji Coba	Error! Bookmark not defined.
3.4.2	Subyek Uji Coba	Error! Bookmark not defined.
3.4.3	Jenis Data	Error! Bookmark not defined.
3.4.4	Instrumen Pengumpulan Data	Error! Bookmark not defined.
3.4.5	Teknik Analisa Data.....	Error! Bookmark not defined.
BAB VI HASIL PENGEMBANGAN DAN PEMBAHASAN.....		Error! Bookmark not defined.
4.1	Hasil Dan Tahapan Pengembangan Media Pembelajaran Interaktif	Error! Bookmark not defined.
4.1.1	Tahap Analisis Kebutuhan (<i>Needs Assesment</i>)	Error! Bookmark not defined.
4.1.2	Tahap Desain (<i>Design</i>).....	Error! Bookmark not defined.
4.1.3	Tahap Pengembangan (<i>Development</i>) dan Implementasi	Error! Bookmark not defined.
4.2	Pembahasan	Error! Bookmark not defined.
BAB V PENUTUP		Error! Bookmark not defined.
5.1	Kesimpulan	Error! Bookmark not defined.
5.2	Saran.....	Error! Bookmark not defined.
DAFTAR PUSTAKA		Error! Bookmark not defined.
LAMPIRAN – LAMPIRAN.....		Error! Bookmark not defined.
RIWAYAT HIDUP		Error! Bookmark not defined.

DAFTAR TABEL

Tabel	Halaman
2. 1 Sintaks/Tahapan Pembelajaran Kontekstual ...	Error! Bookmark not defined.
2. 2 Perbedaan antara Larutan, Koloid, dan Suspensi.....	Error! Bookmark not defined.
2. 3 Beberapa Jenis Dispersi Koloid	Error! Bookmark not defined.
2. 4 Perbedaan Koloid Liofil dan Koloid Liofob ...	Error! Bookmark not defined.
2. 5 Alat dan Bahan Pembuatan Es Krim Oreo.....	Error! Bookmark not defined.
2. 6 Alat dan Bahan Pembuatan Kembang Tahu ...	Error! Bookmark not defined.
2. 7 Alat dan Bahan Pembuatan Permen <i>Jelly</i>	Error! Bookmark not defined.
3. 1 KI & KD Materi.....	Error! Bookmark not defined.
3. 2 Struktur Materi Koloid.....	Error! Bookmark not defined.
3. 3 Kisi-kisi Lembar Wawancara Guru	Error! Bookmark not defined.
3. 4 Kisi-kisi Angket Analisis Kebutuhan.....	Error! Bookmark not defined.
3. 5 Kisi-kisi Angket Karakteristik Siswa.....	Error! Bookmark not defined.
3. 6 Kisi-kisi Angket Validasi Materi	Error! Bookmark not defined.

3. 7 Kisi-kisi Angket Validasi Media.....	Error! Bookmark not defined.
3. 8 Kisi-kisi Angket Respon Siswa.....	Error! Bookmark not defined.
3. 9 kisi-kisi Angket Tanggapan Guru	Error! Bookmark not defined.
3. 10 Katageri Tingkat Validasi Ahli Materi	Error! Bookmark not defined.
3. 11 Hasil Validasi Materi	Error! Bookmark not defined.
3. 12 Kategori Tingkat Validasi Ahli Media.....	Error! Bookmark not defined.
3. 13 Hasil Validasi Media.....	Error! Bookmark not defined.
3. 14 Kategori Tingkat Penilaian Guru	Error! Bookmark not defined.
3. 15 Kategori Tingkat Respon Peserta Didik.....	Error! Bookmark not defined.
3. 16 Kriteria Interpretasi Skor.....	Error! Bookmark not defined.
4. 1 Hasil Analisis Kebutuhan Berdasarkan Wawancara Guru.....	Error! Bookmark not defined.
4. 2 Hasil Analisis Angket Kebutuhan.....	Error! Bookmark not defined.
4. 3 Kompetensi Inti dan Kompetensi Dasar	Error! Bookmark not defined.
4. 4 Indikator Pencapaian Kompetensi.....	Error! Bookmark not defined.
4. 5 Struktur Materi Koloid.....	Error! Bookmark not defined.
4. 6 Wawancara Analisis Sumber Daya Teknologi dan Sarana Pembelajaran	Error! Bookmark not defined.
4. 7 Analisis Sumber Daya Teknologi dan Sarana Pembelajaran.....	Error! Bookmark not defined.
4. 8 Hasil Validasi Ahli Materi Tahap Pertama	Error! Bookmark not defined.
4. 9 Hasil Validasi Ahli Materi Tahap Kedua.....	Error! Bookmark not defined.
4. 10 Hasil Validasi Ahli Media Tahap Pertama....	Error! Bookmark not defined.
4. 11 Hasil Validasi Ahli Media Tahap Kedua	Error! Bookmark not defined.
4. 12 Data Hasil Angket Penilaian Guru.....	Error! Bookmark not defined.
4. 13 Data Hasil Angket Respon Peserta Didik	Error! Bookmark not defined.

DAFTAR GAMBAR

Gambar	Halaman
2. 1 Konsep Dasar Perilaku Belajar Menurut Behaviorisme	Error! Bookmark not defined.
2. 2 Model Pemrosesan Informasi (Teori Kognitif).....	Error! Bookmark not defined.
2. 3 Bentuk Aktivitas Belajar konstruktivisme	Error! Bookmark not defined.
2. 4 Halaman Pembuka <i>Articulate Storyline</i>	Error! Bookmark not defined.
2. 5 <i>Articulate Storyline</i> Halaman Depan untuk Membuat <i>Project</i>	Error! Bookmark not defined.
2. 6 <i>Toolbar Articulate Storyline</i>	Error! Bookmark not defined.
2. 7 <i>Tool Home</i>	Error! Bookmark not defined.
2. 8 <i>Tool Insert</i>	Error! Bookmark not defined.
2. 9 <i>Tool Character</i>	Error! Bookmark not defined.
2. 10 <i>Tool Maker</i>	Error! Bookmark not defined.
2. 11 <i>Tool Slide</i>	Error! Bookmark not defined.
2. 12 <i>Tool Design</i>	Error! Bookmark not defined.
2. 13 <i>Tool Transition</i>	Error! Bookmark not defined.
2. 14 <i>Tool Animation</i>	Error! Bookmark not defined.
2. 15 <i>Tool View</i>	Error! Bookmark not defined.
2. 16 <i>Tool Help</i>	Error! Bookmark not defined.
2.17 Tahapan Penelitian Pengembangan Hannafin dan Peck	Error! Bookmark not defined.
2.18 Perbedaan Larutan, Koloid, Suspensi	Error! Bookmark not defined.
2.19 Susu Adalah Emulsi	Error! Bookmark not defined.
2. 20 Batu Apung Adalah Sistem Koloid Busa.....	Error! Bookmark not defined.
2. 21 Efek Tyndall Berkas Sinar Matahari di Sela Pohon ...	Error! Bookmark not defined.
2. 22 Gerak Brown	Error! Bookmark not defined.
2. 23 Adsorpsi Ion oleh Partikel Koloid.....	Error! Bookmark not defined.
2. 24 Elektroforesis Sol	Error! Bookmark not defined.

2. 25 Asap Merupakan Sistem Koloid dengan Fase Terdispersi Padat dan Medium Pendispersinya Gas**Error! Bookmark not defined.**
2. 26 Larutan Berwarna dan Larutan Tawas Dapat Menggumpalkan Zat Warna Larutan**Error! Bookmark not defined.**
2. 27 Molekul Sabun dan Minyak Dalam Air**Error! Bookmark not defined.**
2. 28 Cara Kerja Sabun/Deterjen pada Kain yang Terkena Minyak..... **Error! Bookmark not defined.**
2. 29 Pembuatan Sistem Koloid**Error! Bookmark not defined.**
2. 30 Busur Bredig untuk Membuat Koloid Logam **Error! Bookmark not defined.**
3. 1 Tahapan Penelitian Pengembangan Hannafin dan Peck**Error! Bookmark not defined.**
3. 2 langkah-langkah pengembangan model Hannafin and Peck**Error! Bookmark not defined.**
3. 3 *Flowchart* Materi Koloid**Error! Bookmark not defined.**
3. 4 *Flowchart* Media Pembelajaran Interaktif Menggunakan *Articulate Storyline***Error! Bookmark not defined.**
3. 5 Tahapan Pengembangan Media Pembelajaran Interaktif Menggunakan *Articulate Storyline* Materi Koloid**Error! Bookmark not defined.**
4. 1 *Flowchart* Materi Koloid.....**Error! Bookmark not defined.**
4. 2 *Flowchart* Media Pembelajaran Interaktif Menggunakan *Articulate Storyline***Error! Bookmark not defined.**
4. 3 *Opening* Media Pembelajaran Interaktif**Error! Bookmark not defined.**
4. 4 *Opening* Media Pembelajaran Interaktif**Error! Bookmark not defined.**
4. 5 *Opening* Media Pembelajaran Interaktif**Error! Bookmark not defined.**
4. 6 *Opening* Media Pembelajaran Interaktif**Error! Bookmark not defined.**
4. 7 Menu Media Pembelajaran Interaktif.....**Error! Bookmark not defined.**
4. 8 Menu Media Pembelajaran Interaktif.....**Error! Bookmark not defined.**
4. 9 Kompetensi Dasar dan Kompetensi Inti**Error! Bookmark not defined.**
4. 10 Indikator Pencapaian.....**Error! Bookmark not defined.**

4. 11 Profil Penulis.....	Error! Bookmark not defined.
4. 12 Petunjuk Penggunaan.....	Error! Bookmark not defined.
4. 13 Materi	Error! Bookmark not defined.
4. 14 Soal dan Pembahasan.....	Error! Bookmark not defined.
4. 15 <i>Proyek Chemo-Entrepreneurship</i>	Error! Bookmark not defined.
4. 16 Referensi	Error! Bookmark not defined.
4. 17 Keluar/Exit	Error! Bookmark not defined.
4. 18 Diagram Validasi Ahli Materi Tahap I dan II Setiap Aspek.....	Error! Bookmark not defined.
4. 19 Diagram Skor Total Validasi Ahli Materi I dan II.....	Error! Bookmark not defined.
4. 20 Tampilan Perubahan Materi Sesuai Sumber .	Error! Bookmark not defined.
4. 21 Tampilan Perubahan Informasi yang Menambah Pengetahuan.....	Error! Bookmark not defined.
4. 22 Tampilan Perubahan <i>Project</i> Belum Berhubungan dengan Materi	Error! Bookmark not defined.
4. 23 Tampilan Perubahan Soal Sesuai dengan Indikator....	Error! Bookmark not defined.
4. 24 Tampilan Perubahan Tambahan Motivasi Untuk Berwirausaha	Error! Bookmark not defined.
4. 25 Tampilan Perubahan Kebakuan Bahasa.....	Error! Bookmark not defined.
4. 26 Tampilan Perubahan Kesalahan Penulisan Kata Dalam Media.....	Error! Bookmark not defined.
4. 27 Diagram Validasi Ahli Media Tahap I dan II Setiap Aspek	Error! Bookmark not defined.
4. 28 Diagram Skor Total Validasi Ahli Materi I dan II.....	Error! Bookmark not defined.
4. 29 Tampilan Perubahan Sesuaikan Font dengan Latar Belakang.....	Error! Bookmark not defined.
4. 30 Tampilan Perubahan Gambar pada Media yang Disajikan Adanya Penekanan.	Error! Bookmark not defined.

4. 31 Tampilan Perubahan Kesesuaian Ukuran *Font* pada Media **Error! Bookmark not defined.**
4. 32 Tampilan Perubahan Rata Tulisan pada Media Agar Seimbang **Error! Bookmark not defined.**
4. 33 Tampilan Perubahan Jenis Font yang Digunakan pada Media Mudah
Dibaca. **Error! Bookmark not defined.**
4. 34 Tampilan Perubahan Kombinasi Tulisan dan *Background* Telah Sesuai
..... **Error! Bookmark not defined.**

DAFTAR LAMPIRAN

Lampiran	Halaman
1 Hasil Wawancara Guru	Error! Bookmark not defined.
2 Angket Kebutuhan Siswa.....	Error! Bookmark not defined.
3 Angket Karakteristik Siswa.....	Error! Bookmark not defined.
4 Hasil Analisis Angket Kebutuhan Siswa	Error! Bookmark not defined.
5 Hasil Analisis Angket Karakteristik Siswa	Error! Bookmark not defined.
6 <i>Story Board</i>	Error! Bookmark not defined.
7 Produk Akhir.....	Error! Bookmark not defined.
8. Validasi Ahli Materi Tahap I	Error! Bookmark not defined.
9 Validasi Ahli Materi Tahap II	Error! Bookmark not defined.
10 Validasi Ahli Media Tahap I.....	Error! Bookmark not defined.
11 Validasi Ahli Media Tahap II	Error! Bookmark not defined.
12 Surat Izin Penelitian	Error! Bookmark not defined.
13 Instrument Tanggapan dan Penilaian Guru.....	Error! Bookmark not defined.
14 Instrumen Respon Peserta Didik.....	Error! Bookmark not defined.
15 <i>Chat Wa</i> Penelitian	Error! Bookmark not defined.