

DAFTAR ISI

HALAMAN PERNYATAAN KEASLIAN.....	Error! Bookmark not defined.
HALAMAN PENGESAHAN TUGAS AKHIR ...	Error! Bookmark not defined.
HALAMAN PERSETUJUAN PUBLIKASI KARYA ILMIAH	Error! Bookmark not defined.
KATA PENGANTAR.....	Error! Bookmark not defined.
ABSTRAK	Error! Bookmark not defined.
DAFTAR ISI	1
DAFTAR TABEL	4
DAFTAR GAMBAR.....	5
BAB 1 PENDAHULUAN	Error! Bookmark not defined.
1.1 Latar Belakang	Error! Bookmark not defined.
1.2 Identifikasi Masalah.....	Error! Bookmark not defined.
1.3 Tujuan Tugas Akhir	Error! Bookmark not defined.
1.4 Manfaat Tugas Akhir	Error! Bookmark not defined.
1.5 Lingkup Tugas Akhir.....	Error! Bookmark not defined.
1.6 Sistematika Penulisan Tugas Akhir	Error! Bookmark not defined.
1.7 Kerangka Pemikiran	Error! Bookmark not defined.
BAB 2 TINJAUAN PUSTAKA	Error! Bookmark not defined.
2.1 Perancangan	Error! Bookmark not defined.
2.2 <i>Augmented Reality</i>	Error! Bookmark not defined.
2.3 Definisi Android	Error! Bookmark not defined.
2.4 Media Pembelajaran	Error! Bookmark not defined.
2.5 Definisi Otomotif.....	Error! Bookmark not defined.
2.6 Definisi Data Spasial	Error! Bookmark not defined.
2.7 Analisis PIECES	Error! Bookmark not defined.
2.8 Desain Pemodelan Sistem, UML (<i>Unified Modelling System</i>).....	Error! Bookmark not defined.
2.8.1 Diagram <i>Use Case</i>	Error! Bookmark not defined.
2.8.2 <i>Activity Diagram</i> Dalam UML.....	Error! Bookmark not defined.
2.8.3 <i>Sequence Diagram</i>	Error! Bookmark not defined.
2.9 Perangkat Lunak dan Bahasa Pemrograman	Error! Bookmark not defined.
2.9.1 C# (C Sharp).....	Error! Bookmark not defined.

2.9.2	Unity 3D.....	Error! Bookmark not defined.
2.9.3	Blender	Error! Bookmark not defined.
2.9.4	<i>Database NoSQL</i>	Error! Bookmark not defined.
2.9.5	Vuforia SDK	Error! Bookmark not defined.
2.9.6	Photoshop.....	Error! Bookmark not defined.
2.10	<i>BlackBox Testing</i>	Error! Bookmark not defined.
2.11	<i>Usability Testing</i>	Error! Bookmark not defined.
2.12	Perhitungan Kuesioner.....	Error! Bookmark not defined.
BAB 3 METODE PENELITIAN		Error! Bookmark not defined.
3.1	Waktu dan Tempat Penelitian.....	Error! Bookmark not defined.
3.2	Sejarah, Visi, Dan Misi SMK NEGERI 35 JAKARTA	Error! Bookmark not defined.
		not defined.
3.2.1	Sejarah.....	Error! Bookmark not defined.
3.2.2	Visi	Error! Bookmark not defined.
3.2.3	Misi.....	Error! Bookmark not defined.
3.3	Studi Kepustakaan	Error! Bookmark not defined.
3.4	Studi Lapangan	Error! Bookmark not defined.
3.5	Metode Analisis	Error! Bookmark not defined.
3.5.1	Studi Analisis Sistem	Error! Bookmark not defined.
3.5.2	Studi Pengembangan Sistem	Error! Bookmark not defined.
3.6	Proses Bisnis Pembelajaran Yang Berjalan	Error! Bookmark not defined.
3.7	Analisis Masalah.....	Error! Bookmark not defined.
BAB 4 HASIL DAN PEMBAHASAN		Error! Bookmark not defined.
4.1	Desain Proses Bisnis Usulan.....	Error! Bookmark not defined.
4.1.1	Sistem Usulan Pembelajaran Menggunakan Teknologi AR.....	Error! Bookmark not defined.
		Bookmark not defined.
4.2	Aktifitas Perencanaan	Error! Bookmark not defined.
4.3	Analisis Kebutuhan Sistem.....	Error! Bookmark not defined.
4.3.1	Analisis Kebutuhan Perangkat Lunak (<i>Software</i>)	Error! Bookmark not defined.
		Bookmark not defined.
4.3.2	Analisis Kebutuhan Perangkat Keras..	Error! Bookmark not defined.
4.4	Desain Tampilan Aplikasi <i>Augmented Reality</i> Komponen Mesin ..	Error! Bookmark not defined.
		Bookmark not defined.

4.4.1	Tampilan Awal Aplikasi <i>Augmented Reality</i>	Error! Bookmark not defined.
4.4.2	Desain Tampilan Komponen Mesin....	Error! Bookmark not defined.
4.4.3	Desain Tampilan Penjelasan Menu “ <i>Book</i> ” Pada Aplikasi	Error! Bookmark not defined.
4.4.4	Desain Tampilan Penjelasan Menu “ <i>How to Use</i> ” Pada Aplikasi	Error! Bookmark not defined.
4.4.5	Desain Tampilan Penjelasan Menu “ <i>About</i> ” Pada Aplikasi.....	Error! Bookmark not defined.
4.5	Struktur Navigasi	Error! Bookmark not defined.
4.6	Evaluasi <i>Prototype</i>	Error! Bookmark not defined.
4.7	Pembuatan Marker	Error! Bookmark not defined.
4.8	Pengkodean Aplikasi	Error! Bookmark not defined.
4.9	Proses Pengujian (<i>Testing</i>).....	Error! Bookmark not defined.
4.9.1	<i>Unit Testing</i>	Error! Bookmark not defined.
4.9.2	<i>Usability Testing</i>	Error! Bookmark not defined.
4.9.3	Analisis Data Rata – Rata Skor	Error! Bookmark not defined.
4.10	Implementasi Sistem.....	Error! Bookmark not defined.
BAB 5 KESIMPULAN DAN SARAN		Error! Bookmark not defined.
5.1	Kesimpulan	Error! Bookmark not defined.
5.2	Saran	Error! Bookmark not defined.
DAFTAR REFERENSI.....		Error! Bookmark not defined.
LAMPIRAN 1 DAFTAR RIWAYAT HIDUP		Error! Bookmark not defined.
LAMPIRAN 2 STRUKTUR ORGANISASI.....		Error! Bookmark not defined.
LAMPIRAN 3 HASIL WAWANCARA		Error! Bookmark not defined.
LAMPIRAN 4 SURAT PENELITIAN.....		Error! Bookmark not defined.
LAMPIRAN 5 KUESIONER.....		Error! Bookmark not defined.
LAMPIRAN 6 DOKUMENTASI IMPLEMENTASI.....		Error! Bookmark not defined.

DAFTAR TABEL

Table 2-1. <i>Use case Diagram</i>	Error! Bookmark not defined.
Table 2-2. Simbol-simbol <i>Activity Diagram</i>	Error! Bookmark not defined.
Table 2-3. Simbol – simbol <i>Sequence Diagram</i>	Error! Bookmark not defined.
Table 2-4. Tabel perbandingan <i>device</i> dan <i>cloud database</i> .	Error! Bookmark not defined.
Table 3-1. Aplikasi Android <i>Augmented Reality</i> yang sudah ada	Error! Bookmark not defined.
Table 3-2. Analisis <i>PIECES</i>	Error! Bookmark not defined.
Table 4-1. <i>Use case description</i> usulan proses pembelajaran.	Error! Bookmark not defined.
Table 4-2. Tabel Profil pemilik <i>smartphone</i>	Error! Bookmark not defined.
Table 4-3. Tabel spesifikasi <i>smartphone</i>	Error! Bookmark not defined.
Table 4-4. Evaluasi <i>Prototype</i> aplikasi <i>Augmented Reality</i> .	Error! Bookmark not defined.
Table 4-5. Profil dan spesifikasi <i>smartphone</i>	Error! Bookmark not defined.
Table 4-6. Tabel <i>Unit Testing</i> aplikasi <i>Augmented Reality</i> .	Error! Bookmark not defined.
Table 4-7. Tabel nilai.....	Error! Bookmark not defined.
Table 4-8. Tabel Kuesioner <i>Usability Testing</i>	Error! Bookmark not defined.
Table 4-9. Presentase nilai.....	Error! Bookmark not defined.

DAFTAR GAMBAR

- Gambar 1-1. Kerangka Pemikiran. **Error! Bookmark not defined.**
- Gambar 2-1. *Face Tracking*..... **Error! Bookmark not defined.**
- Gambar 2-2. *3D Object Tracking* **Error! Bookmark not defined.**
- Gambar 2-3. *Motion Tracking* **Error! Bookmark not defined.**
- Gambar 2-4. *Layer Vector*. **Error! Bookmark not defined.**
- Gambar 2-5. *Layer Raster*. **Error! Bookmark not defined.**
- Gambar 2-6. Presentase persetujuan..... **Error! Bookmark not defined.**
- Gambar 3-1. *Prototyping Model*..... **Error! Bookmark not defined.**
- Gambar 3-2. *Use case* proses bisnis pembelajaran yang sedang berjalan.....**Error! Bookmark not defined.**
- Gambar 3-3. *Activity* diagram proses bisnis pembelajaran yang sedang berjalan.**Error! Bookmark not defined.**
- Gambar 4-1. *Use case* diagram usulan proses pembelajaran.**Error! Bookmark not defined.**
- Gambar 4-2. *Activity* diagram Usulan Proses Pembelajaran.**Error! Bookmark not defined.**
- Gambar 4-3. Sequence diagram proses siswa menggunakan aplikasi AR.**Error! Bookmark not defined.**
- Gambar 4-4. Tampilan awal menu aplikasi *Augmented Reality*.**Error! Bookmark not defined.**
- Gambar 4-5. Tampilan komponen yang di *scan* pada aplikasi.**Error! Bookmark not defined.**
- Gambar 4-6. Tampilan pilihan menu *Book* pada aplikasi *Augmented Reality*.**Error! Bookmark not defined.**
- Gambar 4-7. Tampilan pilihan menu *How to Use* pada aplikasi *Augmented Reality*.
..... **Error! Bookmark not defined.**
- Gambar 4-8. Tampilan pilihan menu *About* aplikasi *Augmented Reality*.**Error! Bookmark not defined.**
- Gambar 4-9. Struktur navigasi aplikasi *Augmented Reality*.**Error! Bookmark not defined.**
- Gambar 4-10. Tahap – tahap evaluasi *prototype*... **Error! Bookmark not defined.**
- Gambar 4-11. *Login* Vuforia Developer..... **Error! Bookmark not defined.**
- Gambar 4-12. Tampilan *license manager* pada Vuforia.**Error! Bookmark not defined.**
- Gambar 4-13. Tampilan *target manager* pada Vuforia.**Error! Bookmark not defined.**
- Gambar 4-14. Tampilan *create database* pada Vuforia.**Error! Bookmark not defined.**
- Gambar 4-15. Tampilan setelah masuk kedalam *database* yang dibuat pada Vuforia.
..... **Error! Bookmark not defined.**
- Gambar 4-16. Tampilan *box* ketentuan *upload* pada Vuforia.**Error! Bookmark not defined.**
- Gambar 4-17. Tampilan setelah *upload image* pada Vuforia.**Error! Bookmark not defined.**

Gambar 4-18. Tampilan *download database* pada Vuforia.**Error! Bookmark not defined.**

Gambar 4-19. Tampilan *file database* yang sudah dibuat pada Vuforia.**Error! Bookmark not defined.**

Gambar 4-20. *Script loading* pada saat membuka aplikasi.**Error! Bookmark not defined.**

Gambar 4-21. *Script* halaman menu aplikasi..... **Error! Bookmark not defined.**

Gambar 4-22. *Script* pada saat memilih objek komponen mesin mobil.....**Error! Bookmark not defined.**

Gambar 4-23. *Unit Testing* pada *smartphone*..... **Error! Bookmark not defined.**

Gambar 4-24. Dokumentasi penerapan aplikasi pada siswa – siswi.**Error! Bookmark not defined.**

Gambar 4-25. Dokumentasi wawancara serta kuesioner pada siswa – siswi. **Error! Bookmark not defined.**