

DAFTAR ISI

ABSTRACT	i
ABSTRAK	ii
KATA PENGANTAR	iii
DAFTAR ISI	vi
DAFTAR GAMBAR.....	x
DAFTAR TABEL	xii
DAFTAR LAMPIRAN	xiv

BAB I PENDAHULUAN

1.1 Latar Belakang	I-1
1.2 Rumusan Masalah	I-5
1.3 Tujuan Penelitian	I-5
1.4 Batasan Masalah	I-6
1.5 Manfaat Penelitian	I-6
1.6 Metodologi Penelitian	I-6
1.7 Sistematika Penulisan	I-9

BAB II LANDASAN TEORI

2.1 Penelitian Terkait	II-1
2.2 <i>State of The Art</i>	II-11
2.3 <i>Game</i>	II-12
2.3.1 Definisi <i>Game</i>	II-12

2.3.2 Elemen Dasar <i>Game</i>	II-13
2.3.3 Jenis – Jenis <i>Game</i>	II-14
2.4 <i>Artificial Intelligence (AI)</i>	II-16
2.5 <i>Artificial Intelligence (AI)</i> pada <i>Game</i>	II-17
2.6 Algoritma <i>Random Number Generator</i>	II-18
2.7 Algoritma <i>Collision Avoidance System</i>	II-20
2.8 Android	II-22
2.9 Unity	II-22

BAB III METODE PENELITIAN

3.1 Metodologi Penelitian	III-1
3.2 <i>Awareness</i>	III-2
1. Studi Pustaka.....	III-2
2. Observasi	III-2
3.3 <i>Suggestion</i>	III-2
3.4 <i>Development</i>	III-2
1. <i>Initiation</i>	III-3
2. <i>Pre-Production</i>	III-3
3. <i>Production</i>	III-4
4. <i>Testing</i>	III-4
5. <i>Beta</i>	III-4
6. <i>Release</i>	III-6
3.5 <i>Evaluation</i>	III-7
3.6 <i>Conclusion</i>	III-7

BAB IV HASIL DAN PEMBAHASAN

4.1 Awareness	IV-1
4.1.1 Studi Pustaka.....	IV-1
4.1.2 Observasi	IV-1
4.2 Suggestion.....	IV-3
4.3 Development	IV-4
4.3.1 Initiation	IV-4
4.3.1.1 Konsep	IV-5
4.3.1.2 Analisis Konseptual	IV-5
4.3.1.3 Analisis Kebutuhan Sistem	IV-5
4.3.2 Pre-Production	IV-7
1. Penetapan Aktor dan <i>Use Case</i>	IV-7
2. <i>Use Case Diagram</i>	IV-7
3. Skenario <i>Use Case</i>	IV-8
4. <i>Sequence Diagram</i>	IV-9
5. Rancangan Antarmuka	IV-12
6. Struktur Navigasi	IV-16
7. <i>Flowchart Collision Avoidance System</i>	IV-17
4.3.3 Production	IV-17
1. Pembuatan Objek 2 Dimensi	IV-18
2. Pembuatan <i>User Interface</i>	IV-20
3. Pengumpulan <i>Audio</i>	IV-28
4. Pembuatan Kode Program	IV-28

5. Pembuatan <i>Game</i>	IV-29
a. Penerapan Algoritma <i>Collision Avoidance System</i>	IV-29
b. Penerapan Algoritma <i>Collision Detection</i>	IV-33
c. Penerapan Algoritma <i>Random Number Generator</i>	IV-35
4.3.4 <i>Testing</i>	IV-37
1. <i>Alpha Testing</i>	IV-37
2. Pengujian Algoritma <i>Collision Avoidance System</i>	IV-40
3. Pengujian Algoritma <i>Random Number Generator</i>	IV-43
4.3.5 <i>Beta</i>	IV-44
4.3.6 <i>Release</i>	IV-49
4.4 <i>Evaluation</i>	IV-50
4.5 <i>Conclusion</i>	IV-50

BAB V KESIMPULAN DAN SARAN

5.1 Kesimpulan.....	V-1
5.2 Saran.....	V-2

DAFTAR PUSTAKA

LAMPIRAN