

DAFTAR ISI

HALAMAN JUDUL	i
HALAMAN PENGESAHAN	ii
HALAMAN PERNYATAAN	iii
NASKAH SOAL TUGAS AKHIR	iv
HALAMAN PERSEMBAHAN	v
KATA PENGANTAR	vi
DAFTAR ISI	viii
DAFTAR GAMBAR	xi
DAFTAR TABEL	xiii
DAFTAR LAMPIRAN	xv
DAFTAR NOTASI DAN SINGKATAN	xvii
INTISARI	xviii
BAB I PENDAHULUAN	
1.1 Latar Belakang	1
1.2 Rumusan Masalah	3
1.3 Batasan Masalah	3
1.4 Tujuan Penelitian	4
1.5 Manfaat Penelitian	4
BAB II TINJAUAN PUSTAKA	
2.1 Hubungan <i>Physical Workload</i> dengan <i>Situational Awareness</i>	5
2.2 Pengukuran <i>Situational Awareness</i>	6
BAB III LANDASAN TEORI	
3.1 <i>Situational Awareness</i>	8
3.2 Pengukuran <i>Situational Awareness</i>	10
3.2.1 <i>Freeze Probe Technique</i>	10
3.2.2 <i>Real-time Probe Technique</i>	10
3.2.3 <i>Self-rating Technique</i>	11
3.2.4 <i>Observer-rating Technique</i>	11
3.2.5 <i>Performance Measure</i>	12
3.2.6 <i>Process Indices</i>	12
3.3 <i>Workload</i>	16
3.3.1 <i>Physical Workload</i>	16
3.3.2 <i>Mental Workload</i>	17

3.3.3	Hubungan antara <i>Physical</i> dan <i>Mental workload</i>	18
3.4	<i>Risky Behavior</i>	19
3.5	Validitas	19
3.6	Reliabilitas	20
BAB IV METODE PENELITIAN		
4.1	Subjek Penelitian	23
4.2	Alat yang Digunakan	23
4.3	Lokasi Eksperimen	24
4.4	Desain Penelitian	25
4.5	<i>Design of Experiment</i> (DoE)	28
4.6	Prosedur Penelitian	29
	4.6.1 <i>Introduction</i>	29
	4.6.2 <i>Training</i>	29
	4.6.3 <i>Physical workload</i>	29
4.7	Pengolahan Data	30
	4.7.1 <i>Situational Awareness</i> (SA)	30
	4.7.2 <i>Risky Behavior</i>	31
	4.7.3 Uji Reliabilitas	31
	4.7.4 Uji Validitas	32
	4.7.5 Uji <i>Criterion Validity</i>	32
4.8	Diagram Alur Penelitian	32
BAB V HASIL DAN PEMBAHASAN		
5.1	Profil Responden	35
5.2	<i>Pilot Study</i>	35
	5.2.1 <i>Workload</i>	35
	5.2.2 <i>Situational Awareness</i>	36
5.3	Hasil Pengukuran	36
	5.3.1 <i>Workload</i>	36
	5.3.2 <i>Situational Awareness</i> (SA)	38
	5.3.2.1 <i>Situation Awareness Rating Technique</i> (SART)	38
	5.3.2.2 <i>Situational Awareness Global Technique</i> (SAGAT)	40
	5.3.2.3 <i>Situation Present Awareness Method</i> (SPAM)	42
	5.3.3 <i>Risky Behavior</i>	44
5.4	Statistika Deskriptif	47
	5.4.1 Uji Keseragaman Data <i>Situational Awareness</i>	47
	5.4.2 Uji Normalitas Data	48
	5.4.2.1 Uji Normalitas Data <i>Situational Awareness</i>	48
	5.4.2.1.1 <i>Situation Awareness Rating Technique</i>	48
	5.4.2.1.2 <i>Situational Awareness Global Technique</i>	49
	5.4.2.1.3 <i>Situation Present Awareness Method</i>	50
	5.4.2.2 Uji Normalitas Data <i>Risky Behavior</i>	50
	5.4.3 Uji Reliabilitas	51

5.4.3.1 Uji <i>Inter-rater Reliability Situational Awareness</i>	51
5.4.3.2 Uji <i>Inter-rater Reliability Risky Behavior</i>	52
5.4.4 Uji Validasi	53
5.4.4.1 <i>Construct Validity Situational Awareness (SA)</i>	54
5.4.4.2 <i>Construct Validity Risky Behavior</i>	56
5.4.4.3 <i>Criterion Validity,vmhj</i>	57
 BAB VI PENUTUP	
6.1 Kesimpulan	64
6.2 Saran	65
 DAFTAR PUSTAKA	66
 LAMPIRAN	70