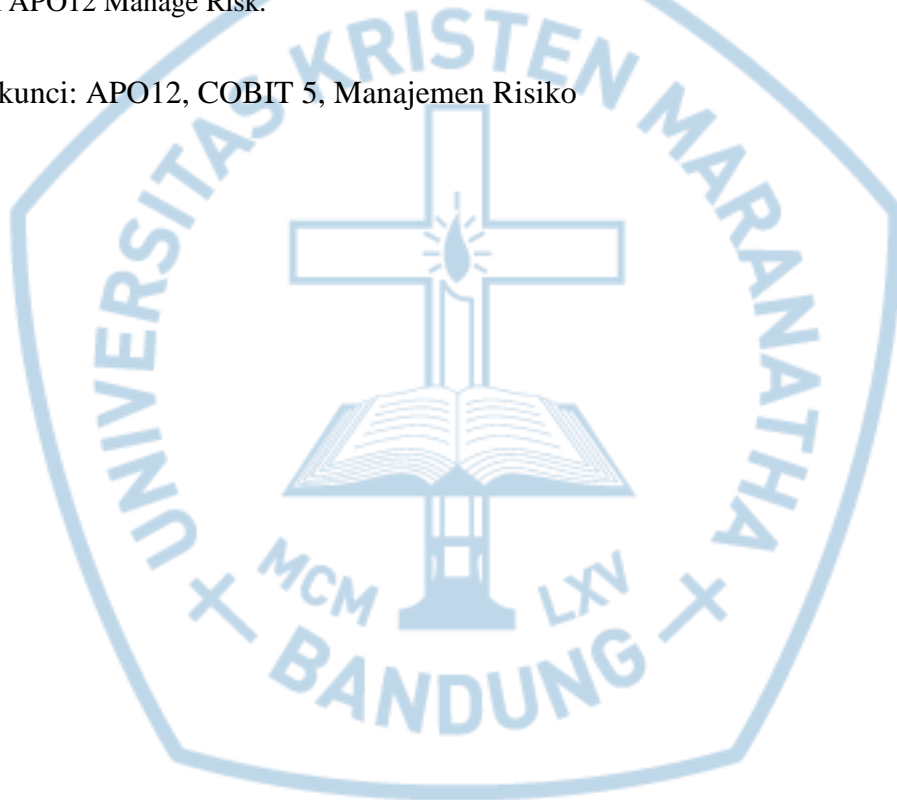


ABSTRAK

Rumah Sakit Immanuel Bandung adalah salah satu instansi pelayanan umum yang bergerak dibidang jasa dan kesehatan. Dalam pelayanan dibidang jasa dan kesehatan, Rumah Sakit Immanuel Bandung menggunakan teknologi SIM (Sistem Informasi Manajemen), namun penggunaan teknologi Sistem Informasi Manajemen Rumah Sakit Immanuel Bandung tidak lepas dari risiko – risiko yang dapat menyebabkan hilangnya suatu data atau kerusakan infrastruktur. Untuk meminimalisir risiko IT, maka perlu pengelolaan manajemen risiko dan cara manangani risiko apa saja yang terjadi. Tujuan dari Tugas Akhir ini adalah memberi penilaian manajemen risiko IT pada Sistem Informasi Manajemen Rumah Sakit Immanuel Bandung menggunakan Framework COBIT 5 APO12 Manage Risk. Penilaian ini dapat digunakan sebagai bahan evaluasi dan dapat digunakan sebagai masukan di masa yang akan datang. Tugas akhir ini dilakukan dengan menggunakan metode wawancara dan observasi pada proses – proses yang ada dalam APO12 Manage Risk.

Kata kunci: APO12, COBIT 5, Manajemen Risiko



ABSTRACT

Immanuel Hospital Bandung is one of the public service agencies engaged in services and health. In the services and health services, Immanuel Hospital Bandung using SIM technology (Sistem Informasi Manajemen), but the use of Immanuel Hospital Management Information System technology Bandung can not be separated from the risks - risks that can lead to loss of data or infrastructure damage. To minimize IT risk, it is necessary to manage risk management and how to deal with any risks. The purpose of this Final Project is to provide assessment of IT risk management on Immanuel Hospital Management Information System Bandung using COBIT 5 APO12 Manage Risk Framework. This assessment can be used as an evaluation material and can be used as input in the future. This final project is done by using the method of interview and observation on the processes that exist in APO12 Manage Risk.

Keywords: APO 12, COBIT 5, Risk Management



DAFTAR ISI

LEMBAR PENGESAHAN	i
PERNYATAAN ORISINALITAS LAPORAN PENELITIAN	ii
PERNYATAAN PUBLIKASI LAPORAN PENELITIAN	iii
PRAKATA	iv
ABSTRAK	v
ABSTRACT	vi
DAFTAR ISI	vii
DAFTAR GAMBAR	xi
DAFTAR TABEL	xii
DAFTAR SINGKATAN	xiii
BAB 1 PENDAHULUAN	1
1.1 Latar Belakang	1
1.2 Rumusan Masalah	1
1.3 Tujuan Pembahasan	2
1.4 Ruang Lingkup	2
1.5 Sumber Data	3
1.6 Sistematika Penyajian	3
BAB 2 KAJIAN TEORI	4
2.1 Definisi sistem	4
2.2 Definisi Informasi	4
2.3 Definisi Sistem Informasi	5
2.4 Definisi Audit Sistem Informasi	5
2.5 Definisi Manajemen	5
2.6 Definisi Risiko	6

2.6.1	Macam-Macam Risiko	6
2.6.2	Penanggulangan Risiko	7
2.7	Definisi Manajemen Risiko.....	7
2.8	Kategori Risiko Teknologi Informasi	8
2.9	COBIT (Control Objectives for Information and Related Technology)	9
2.9.1	Sejarah COBIT	9
2.10	COBIT 5	10
2.10.1	COBIT 5 The Overarching Framework Product	10
2.10.2	COBIT 5 Value Creation	11
2.10.3	COBIT 5 Framework	11
2.10.4	COBIT 5 Principle and Enabler	11
2.10.5	The Capability Dimension	17
2.10.6	Self Assessment Guide.....	18
2.10.7	Rating Scale	19
2.10.8	APO12 Manage Risk	20
2.10.8.1	APO12.01 Collect Data.....	21
2.10.8.2	APO12.02 Analyse Risk	21
2.10.8.3	APO12.03 Maintain A Risk Profile	22
2.10.8.4	APO12.04 Articulate Risk	22
2.10.8.5	APO12.05 Define A Risk Management Action Portfolio.....	22
2.10.9	Tahap-tahap yang terdapat dalam COBIT 5	22
2.10.9.1	Tahap A – Menentukan Ruang Lingkup <i>Assurance Initiative</i>	22
2.10.9.2	Tahap B – Memahami <i>Enabler</i> , Kumpulkan Kriteria Penilaian yang Cocok dan Lakukan Penilaian	23
2.10.9.3	Tahap C - Komunikasikan Hasil Penilaian	28
BAB 3	ANALISIS DAN HASIL AUDIT	30

3.1 Sejarah Rumah Sakit Immanuel Bandung	30
3.2 Visi dan Misi	30
3.3 Filosofi dan Logo	31
3.4 Bidang Pekerjaan Perusahaan	32
3.5 Struktur Organisasi Sistem Informasi Management	32
3.6 Phase A – Penentuan <i>Plan Assessment / Assurance Initiative</i>	33
3.6.1 <i>Determine The Stakeholder of The Assurance</i>	33
3.6.2 <i>Determine The Assurance Objective Based On Assessment of The External and Internal Context</i>	34
3.6.2.1 <i>Understand The Enterprise Strategy and Priorities</i>	34
3.6.2.2 <i>Understand The Internal Context of The Enterprise</i>	34
3.6.2.3 <i>Understand The External Context of The Enterprise</i>	35
3.6.2.4 <i>Identified Strategic Priorities for The Assurance Engagement</i>	35
3.6.2.5 <i>Define The Organizational Boundaries of The Assurance Initiative</i>	36
3.6.3 <i>Determine The Enabler in Scope and The Instance of The Enablers in Scope</i>	36
3.6.3.1 <i>Define The Process in Scope Review</i>	36
3.6.3.2 <i>Define The Related Enablers</i>	36
3.7 Phase B – Memahami <i>Enabler</i> , Set kriteria Penilaian dan lakukan <i>Assesment</i>	39
3.7.1 <i>Assess Enterprise Goals and IT – Related Goals</i>	39
3.7.1.1 <i>Assess Enterprise Goals</i>	39
3.7.1.2 <i>Assess IT-Related Goals</i>	40
3.7.2 <i>Assess The Process</i>	40
3.7.2.1 <i>Understand The Process Purpose</i>	40
3.7.2.2 <i>Understand The Process Goals</i>	41

3.7.2.3 <i>Process Work Product</i>	48
3.7.2.4 <i>Capability Level</i>	50
3.7.3 <i>Understand and Assess The Principle, Policies and Framework</i>	55
3.7.3.1 <i>Understand The Principle, Policies and Framework</i>	55
3.7.3.2 <i>Understand The Goals for the Principle, Policies and Frameworks</i>	55
3.7.4 <i>Understand and Assess The Organisational Structures</i>	57
3.7.4.1 <i>Understand The Organisational Structure</i>	57
3.7.4.2 <i>Assess The Organisational Structure</i>	73
3.7.5 <i>Understand and Assess Information item</i>	75
3.7.5.1 <i>Understand the Information Item Context</i>	75
3.7.5.2 <i>Assess the Information Items</i>	76
3.7.6 <i>Understand and Assess the Services, Infrastructure and Applications</i> ..	77
3.7.6.1 <i>Assess the Services, Infrastructure and Applications</i>	77
BAB 4 SIMPULAN DAN SARAN	79
4.1 Simpulan	79
4.2 Saran	79
DAFTAR PUSTAKA	81

DAFTAR GAMBAR

Gambar 2.1 Framework COBIT	10
Gambar 2.2 Framework Proses COBIT 5	13
Gambar 3.1 Struktur Organisasi Sistem Informasi Management.....	33
Gambar 3.2 Struktur Rumah Sakit Immanuel Bandung.....	37
Gambar 3.3 Struktur Organisasi SIM	58



DAFTAR TABEL

Tabel 2.1 Kriteria Kerja COBIT	9
Tabel 2.2 Tabel Pencapaian Level	19
Tabel 2.3 Tabel Rating Levels	20
Tabel 2.4 Tabel Proses APO12 – Manage Risk.....	21
Tabel 3.1 Enterprise Goals.....	40
Tabel 3.2 IT-Related Goals	40
Tabel 3.3 <i>Work Product</i>	49
Tabel 3.4 Capability Level.....	51
Tabel 3.5 Principle and Policies Goals	56
Tabel 3.6 Good Practice Criteria.....	57
Tabel 3.7 Good Practice Organisational Structure.....	74
Tabel 3.8 Life cycle element organizational structure.....	75
Tabel 3.9 Information Item	76
Tabel 3.10 Quality dimension information item.....	77
Tabel 3.11 Criteria goal layanan IT, infrastruktur dan aplikasi	78
Tabel 3.12 Good practice layanan IT, infrastruktur dan aplikasi.....	78

DAFTAR SINGKATAN

COBIT	Control Objectives for Information & Related
APO	Align, Plan and Organize
IT	Information Technology
SIM	Sistem Informasi Manajemen

