

ABSTRAK

PT. POS Indonesia merupakan perusahaan yang bergerak dibidang penyediaan jasa pengiriman barang, dokumen, dan uang. Saat ini PT. POS Indonesia sudah menggunakan sistem informasi sebagai pendukung dalam kegiatan pengiriman barang, dokumen dan uang. Risiko teknologi informasi di PT. POS Indonesia telah di evaluasi dengan baik namun terdapat risiko baru yang mungkin terjadi dan bila tidak di evaluasi akan menimbulkan kerugian. Maka dengan hasil evaluasi pada laporan ini akan membantu PT. POS Indonesia menangani risiko yang ada maupun yang baru diprediksi. Metode penelitian yang digunakan adalah *manage risk* APO12. Tujuan pembahasannya adalah untuk mengevaluasi risiko baru yang ada pada PT.POS Indonesia. Teori yang digunakan adalah teori mengenai system informasi, evaluasi, dan mengenai kerangka *manage Risk* penelitian yang digunakan adalah observasi perusahaan dan melakukan wawancara.

Kata kunci: *Manage Risk*, Kerangka Kerja *Manage Risk*, evaluasi, dan PT. POS Indonesia.



ABSTRACT

PT . Pos Indonesia is a company engaged in the provision of freight services , documents and money . Currently, PT . Pos Indonesia has been using information systems as a support in the shipping of goods , documents and money . Information technology risks in PT . Pos Indonesia has been evaluated well, but there are new risks that may occur and if not evaluated will result in losses . So with the evaluation results in this report will help PT . Pos Indonesia to address the risks of existing and new predicted. The method used is manage risk APO12 . The purpose of the future is to evaluate new risks that exist in Indonesia PT.Pos . The theory used is the theory of the information system , evaluation , and on its terms of managing risk research is observation and interviewing company .

Keywords: Manage Risk, Manage Risk Framework, Evaluation, and PT. POS Indonesia



DAFTAR ISI

LEMBAR PENGESAHAN	i
PERNYATAAN ORISINALISTAS LAPORAN PENELITIAN.....	ii
PERNYATAAN PUBLIKASI LAPORAN PENELITIAN.....	iii
PRAKATA	iv
ABSTRAK	vi
ABSTRACT	vii
DAFTAR ISI.....	viii
DAFTAR GAMBAR	xii
DAFTAR TABEL.....	xiii
DAFTAR ISTILAH	xv
BAB 1 PENDAHULUAN	1
1.1 Latar Belakang	1
1.2 Rumusan Masalah	1
1.3 Tujuan Pembahasan	1
1.4 Ruang Lingkup.....	2
1.5 Sumber Data.....	2
1.6 Sistematika Penyajian	3
BAB 2 KAJIAN TEORI	4
2.1 Definisi Audit SI	4
2.2 Ruang Kerja Auditor	4
2.3 Risiko	5
2.4 Jenis Gangguan Terhadap Sistem Informasi.....	5
2.5 Jenis Pengelolaan Gangguan.....	6
2.6 Definisi Manajemen Risiko.....	6

2.7 COBIT 5	7
2.8 COBIT 5 – <i>Principle dan Enabler</i>	7
2.8.1 <i>Rating Scale</i>	12
2.8.2 <i>Input and output</i>	14
2.8.2.1 Governance	14
2.8.2.2 Management.....	15
2.8.3 <i>Self Assessment Guide</i>	18
2.8.4 APO12 <i>Manage Risk</i>	20
2.8.4.1 Planning.....	22
2.8.4.1.1 Recommended steps.....	22
2.8.4.2 Data Collection.....	23
2.8.4.2.1 Recommended steps.....	23
2.8.4.3 Data Validation	23
2.8.4.3.1 Recommended Steps	23
BAB 3 ANALISIS manajemen Risiko	24
3.1 Profile Perusahaan.....	24
3.2 Visi Dan Misi Perusahaan.....	25
3.3 Tugas Pokok Dan Fungsi	26
3.4 Struktur Organisasi PT.POS.....	27
3.5 Sumber Daya Teknologi Informasi Terhadap Informasi Proses Bisnis	27
3.6 I-POS(Integrated Postal Oprations System	29
3.7 Proses Bisnis Pengiriman Barang dari Corporate	29
3.8 Langkah - Langkah Analisis	30
3.9 Phase A – <i>Penentuan plan Assessment / Assurance Initiative</i>	31
3.9.1 <i>Determine The Stakeholder Of The Assurance</i>	31

<i>3.9.2 Determine The Assurance Objectives Based on Assessment Of The External and Internal Context.....</i>	32
<i>3.9.2.1 Understand The Enterprise Strategy and Priorities</i>	32
<i>3.9.2.2 Understand The Internal Context Of The Enterprise</i>	32
<i>3.9.2.3 Understand The External Context Of The Enterprise</i>	33
<i>3.9.2.4 Identified Strategic Priorities for The Assurance Engagement</i>	36
<i>3.9.2.5 Define The Organizational Boundaries Of The Assurance Initiative</i>	36
<i>3.9.3 Determine The Enablers in Scope And The Inatance Of The Enablers In Scope</i>	36
<i>3.9.3.1 Define The Process in Scope Review</i>	37
<i>3.9.3.2 Difine The Related Enablers</i>	37
<i>3.10 Phase B – Memahami Enabler, Set Kriteria Penilaian dan lakukan Assessment.....</i>	39
<i>3.10.1 Assess Enterprise Goals and IT – Related Goals.....</i>	40
<i>3.10.1.1 Assess Enterprise Goals</i>	40
<i>3.10.1.2 Assess IT-Related Goals</i>	40
<i>3.10.2 Assess The Process.....</i>	41
<i>3.10.2.1 Understand The Process Purpose</i>	41
<i>3.10.2.2 Understand The Process Goals.....</i>	41
<i>3.10.2.3 RACI Chart.....</i>	59
<i>3.10.2.4 Capability level</i>	64
<i>3.10.2.5 Process Work Product.....</i>	74
<i>3.10.3 Understand and Assess The Principle, policies and Framework</i>	76
<i>3.10.3.1 Understand the Principle, Policies, and Framework.....</i>	76
<i>3.10.3.2 Assess The Goals For The Principle and Policies</i>	76
<i>3.10.4 Understand and Assess The Organisational Structures.....</i>	78

3.10.4.1 Understand The Organisational Structire	78
3.10.5 Understand and Assess Information Item	80
3.10.5.1.1 Understand The Information Item Context.....	80
3.10.5.1.2 Assess the Information Items	81
3.10.6 Understand and Assess the Services, Infrastructure and Applications	82
3.10.6.1 Assess the Services, Infrastructure and Applications	82
BAB 4 Kesimpulan dan sARAN.....	84
4.1 Phase C – Menyampaikan hasil Penilaian	84
4.1.1 Communicate The Work Performed and Findings	84
4.2 Saran.....	85
DAFTAR PUSTAKA	86
LAMPIRAN A KEBIJAKAN MANAJEMEN RISIKO	87
LAMPIRAN B ELEKTRIKAL	88
LAMPIRAN C INFRASTRUKTUR & SECURITY	88
LAMPIRAN D PENGGOLONGAN TINGKAT EKSPOSUR.....	D-1
LAMPIRAN E KERTAS KERJA ASSESMENT RISIKO KEGIATAN RUTIN E-2	
LAMPIRAN F BAGIAN UNIT YANG MENJALANKAN ASSESSMEN	F-4
LAMPIRAN G KRITERIA RATING	G-5
LAMPIRAN H TINGKAT EXSPOSUR.....	H-6
LAMPIRAN I PERTANYAAN	I-6

DAFTAR GAMBAR

Gambar 2.2 Framework Process COBIT 5	9
Gambar 2.3 <i>Capability Levels and Process Attributes</i>	17
Gambar 5.1 Struktur Organisasi.....	27



DAFTAR TABEL

Tabel 2.2 Tabel Pencapaian level.....	19
Tabel 2.3 Proses APO12 – <i>Manage Risk</i>	21
Tabel 3.1 Enterprise Goals.....	40



DAFTAR SINGKATAN

Singkatan	Arti
COBIT	<i>Control Objectives For Information & Related Technology</i>
APO	<i>Align, Plan and Organize</i>
ISO	<i>International Organization For Standardization</i>
ERM	<i>Enterprise Risk management</i>
PeGi	<i>Pemerintahan E-government Indonesia</i>
SOP	<i>Standard Operation Procedure</i>
IT	<i>Information Technology</i>
IDS	<i>Intrusion Detection System</i>
IPS	<i>Intrusion Prevention System</i>
RJPP	Rencana Jangka panjang perusahaan
RKAP	Rencana Kerja anggaran perusahaan



DAFTAR ISTILAH

Manage	Mengelola
Risk	Risiko
Backup	Duplikasi Data
Backup Center	Fasilitas Untuk Melakukan Duplikasi
Framework	Kerangka Kerja
Software	Perangkat Lunak
Hardware	Perangkat Keras
Komprehensif	Mencakup Semua Hal Yang Diperlukan
Stakeholder	Pemegang Saham
Collect data	Mengoleksi Data
Analyse risk	Analisis Risiko
Maintain a risk profile	Mengelola Sebuah Profil Risiko
Articulate risk	Risiko
Define a <i>risk management</i> action portofolio	Menentukan Portofolio Tindakan Manajemen Risiko
Repond to risk	Respon Terhadap Risiko
Dst.	