

DAFTAR ISI

HALAMAN SAMPUL	i
HALAMAN JUDUL.....	ii
HALAMAN PERSETUJUAN.....	iii
HALAMAN PENGESAHAN.....	iv
HALAMAN PERNYATAAN KEASLIAN PENELITIAN	v
HALAMAN PERSEMBAHAN	vi
HALAMAN MOTTO	vii
KATA PENGANTAR	viii
DAFTAR ISI.....	ix
DAFTAR TABEL.....	xii
DAFTAR GAMBAR	xiv
DAFTAR LAMPIRAN.....	xv
INTISARI.....	xvi
<i>ABSTRACT</i>	xvii
BAB I PENDAHULUAN	
A. Latar Belakang Masalah	1
B. Batasan Masalah	5
C. Rumusan Masalah.....	5
D. Tujuan Penelitian	5
E. Manfaat Penelitian	6
BAB II TINJAUAN PUSTAKA	
A. Landasan Teori.....	7
1. Sistem Informasi.....	7
2. Karakteristik Sistem	9
3. Keamanan Informasi	12
4. Manajemen Risiko.....	13
5. Metode OCTAVE.....	16
6. Fase OCTAVE Allergo	17
B. Penelitian Sebelumnya.....	20

BAB III METODE PENELITIAN

A. Tempat dan Waktu Penelitian.....	26
1. Tempat penelitian	26
2. Waktu penelitian.....	26
B. Metode pengumpulan data	26
1. Wawancara	26
2. Observasi	27
3. Studi Pusata	28
C. Alat dan bahan penelitian.....	28
1. Alat penelitian :	28
2. Bahan penelitian :	29
D. Metode penelitian.....	29

BAB IV HASIL DAN PEMBAHASAN

A. Aplikasi Info PDAM Tirta Satria Kab. Banyumas	32
B. Hasil Analisis Resiko Menggunakan OCTAVE Allegro Framework ...	33
1. Fase 1 Establish Drivers	33
2. Fase 2 Profile Assets	38
3. Fase 3 Identify Threats.....	43
4. Fase 4 Identify and Mitigate Risks.....	49
C. Rekomendasi.....	78

BAB V PENUTUP

A. Kesimpulan	81
B. Saran	82

DAFTAR PUSTAKA

LAMPIRAN

DAFTAR TABEL

Tabel 2.1 Tabel Penelitian Sebelumnya.....	24
<i>Tabel 4.1 Allegro Worksheet 1, Risk Measurement Criteria Reputation.....</i>	<i>34</i>
<i>Tabel 4.2 Allegro Worksheet 2, Risk Measurement Criteria - Financial</i>	<i>35</i>
<i>Tabel 4.3 Allegro Worksheet 3, Risk Measurement Criteria – Productivity</i>	<i>35</i>
<i>Tabel 4.4 Worksheet 4, Risk Measurement Criteria – Safety and Health</i>	<i>36</i>
<i>Tabel 4.5 Allegro Worksheet 5, Risk Measurement Criteria – Fines and Legal Penalties</i>	<i>37</i>
<i>Tabel 4.6 Allegro Worksheet 7, Impact Area Prioritization Worksheet</i>	<i>37</i>
<i>Tabel 4.7 List Kepemilikan Aset Kritis</i>	<i>38</i>
<i>Tabel 4.8 Allegro Worksheet 8, Critical Information Asset Profile.....</i>	<i>39</i>
<i>Tabel 4.9 Allegro Worksheet 9a, Information Asset Risk Enviroment Map (Technical).....</i>	<i>41</i>
<i>Tabel 4.10 Allegro Worksheet 9b, Information Aset Risk Environment Map (Physical).....</i>	<i>42</i>
<i>Tabel 4.11 Allegro Worksheet 9c, Information Asset Risk Environment Map (People).....</i>	<i>42</i>
<i>Tabel 4.12 Areas of concern</i>	<i>44</i>
<i>Tabel 4.13 Allegro worksheet 10, Information Asset Risk Worksheet Properties of Threat – Skenario 1</i>	<i>45</i>
<i>Tabel 4.14 Allegro worksheet 10, Information Asset Risk Worksheet Properties of Threat – Skenario 2</i>	<i>46</i>
<i>Tabel 4.15 Allegro worksheet 10, Information Asset Risk Worksheet Properties of Threat – Skenario 3</i>	<i>47</i>
<i>Tabel 4.16 Allegro worksheet 10, Information Asset Risk Worksheet Properties of Threat – Skenario 4</i>	<i>48</i>
<i>Tabel 4.17 Allegro worksheet 10, Information Asset Risk Worksheet Properties of Threat – Skenario 5</i>	<i>49</i>
<i>Tabel 4.18 Allegro Worksheet 10, Information Asset Risk Worksheet</i>	<i>50</i>

Tabel 4.19 <i>Allegro Worksheet 10, Information Asset Risk Worksheet</i>	52
Tabel 4.20 <i>Allegro Worksheet 10, Information Asset Risk Worksheet Identify Risk – Skenario 3</i>	53
Tabel 4.21 <i>Allegro Worksheet 10, Information Asset Risk Worksheet Identify Risk – Skenario 4</i>	55
Tabel 4.22 <i>Allegro Worksheet 10, Information Asset Risk Worksheet Identify Risk – Skenario 5</i>	56
Tabel 4.23 <i>Allegro Worksheet 10, Information Asset Risk Worksheet Analyze Risk – Skenario 1</i>	58
Tabel 4.24 <i>Allegro Worksheet 10, Information Asset Risk Worksheet Analyze Risk – Skenario 2</i>	59
Tabel 4.25 <i>Allegro Worksheet 10, Information Asset Risk Worksheet Analyze Risk – Skenario 3</i>	61
Tabel 4.26 <i>Allegro Worksheet 10, Information Asset Risk Worksheet Analyze Risk – Skenario 4</i>	62
Tabel 4.27 <i>Allegro Worksheet 10, Information Asset Risk Worksheet Analyze Risk – Skenario 5</i>	64
Tabel 4.28 <i>Relative Risk Matrix</i>	66
Tabel 4.29 <i>Mitigation Approach</i>	67
Tabel 4.30 <i>Allegro Worksheet 10, Information Asset Risk Worksheet Analyze Risk – Skenario 1</i>	68
Tabel 4.31 <i>Allegro Worksheet 10, Information Asset Risk Worksheet Analyze Risk – Skenario 2</i>	70
Tabel 4.32 <i>Allegro Worksheet 10, Information Asset Risk Worksheet Analyze Risk – Skenario 3</i>	73
Tabel 4.33 <i>Allegro Worksheet 10, Information Asset Risk Worksheet Analyze Risk – Skenario 4</i>	75
Tabel 4.34 <i>Allegro Worksheet 10, Information Asset Risk Worksheet Analyze Risk – Skenario 5</i>	77

DAFTAR GAMBAR

Gambar 2.1 Fase <i>OCTAVE Allergo</i>	18
Gambar 3.1 Metode <i>OCTAVE Allegro</i>	29



DAFTAR LAMPIRAN

Lampiran 1. Daftar Wawancara

Lampiran 2. Surat Izin Penelitian

Lampiran 3. Surat Keterangan Penelitian

Lampiran 4. Kartu Bimbingan

Lampiran 5. Dokumentasi

