



DAFTAR ISI

TUGAS AKHIR.....	1
HALAMAN PENGESAHAN.....	i
DAFTAR ISI	v
DAFTAR GAMBAR	vii
DAFTAR TABEL.....	viii
ABSTRAK	1
BAB 1	2
I.1. Latar Belakang	2
BAB II.....	4
II.1. Sejarah dan Latar Belakang Perusahaan.....	4
II.2. Struktur Organisasi	5
II.3. Logo, Slogan, Visi dan Misi PT. South Pacific Viscose	7
II.4. Lokasi Perusahaan	8
II.5. Produk Perusahaan	9
II.6. Tinjauan Proses Produksi	10
II.6.1. Uraian Proses Produksi Serat Viscose	11
II.6.2. Uraian Proses Produksi Natrium Sulfat <i>Anhidrat</i> 99,6%	22
BAB III	27
III.1. Latar Belakang	27
III.2. Tujuan.....	29
III.3. Tinjauan Pustaka	29
III.3.1. Jenis – Jenis <i>Scrubber</i>	29
III.3.2. Prinsip Kerja <i>Scrubber Packed Bed</i>	31
III.3.3. Komponen <i>Scrubber Packed Bed</i>	34
III.4. Data Lapangan	36
III.5. Metode dan Pembahasan Alat <i>Scrubber</i>	39
III.5.1. Perhitungan Neraca Massa <i>Scrubber</i>	39
III.5.2. Perhitungan Efisiensi <i>Scrubber</i>	44



III.5.3. Perhitungan Neraca Panas <i>Scrubber</i>	45
III.5.4. Pembahasan.....	53
BAB IV	56
IV.1. Kesimpulan.....	56
DAFTAR PUSTAKA	57



DAFTAR GAMBAR

Gambar II.2.1. Struktur Organisasi PT. South Pacific Viscose	6
Gambar II.3.1 Logo PT. South Pacific Viscose.....	8
Gambar II.6.1 Proses Pembuatan Serat Viscose di PT. South Pacific Viscose	11
Gambar II.6.1.2. Proses Pemeraman	12
Gambar II.6.1.3. Proses Xanthasi.....	13
Gambar II.6.1.4. Proses Dissolving	14
Gambar II.6.1.5. Proses Ripping dan 1 st Filtration.....	15
Gambar II.6.1.6. Daerasi dan 2 nd Filtrasi.....	16
Gambar II.6.1.7. PFD Pembuatan Serat	17
Gambar II.6.1.8. Pembentukan Serat Viscose	18
Gambar II.6.1.9 Proses Spinning	19
Gambar II.6.1.10 Process Cutting Machine	19
Gambar II.6.1.11. Process After Treatment.....	20
Gambar II.6.2.1. Proses Produksi Na ₂ SO ₄	22
Gambar II.6.2.2. Proses Crystallizer	23
Gambar II.6.2.3. Proses Kalsinasi.....	25
Gambar II.6.2.4. Proses Pengeringan dan Pengemasan	26
Gambar III.3.1.1. Wet Scrubber	29
Gambar III.3.1.2. Chamber Scrubber.....	30
Gambar III.3.1.3. Packed Scrubber	31
Gambar III.3.2.1. PFD Scrubber CAP 2	33
Gambar III.3.3.1 Scrubber Packed Bed	34
Gambar III.3.3.1. Bentuk Demister.....	35
Gambar III.5.1.1. PFD Alat Scrubber CAP 2	39



DAFTAR TABEL

Tabel.III.4.1. Kondisi Operasi.....	36
Tabel III.4.2. Kapasitas Panas Air	37
Tabel III.4. 3. Komposisi Udara.....	37
Tabel III.4. 4. Kapasitas Panas Komponen	38
Tabel III.4. 5 Data ΔH°_f Komponen	38
Tabel III.4. 6. Data H ₂ S Entalpi Penguapan	39
Tabel III.5.1.1. Neraca Massa <i>Scrubber</i>	44
Tabel III.5.3.1. Neraca Panas <i>Scrubber</i>	51