

DAFTAR ISI

HALAMAN PENGESAHAN	Error! Bookmark not defined.
HALAMAN PERNYATAAN	Error! Bookmark not defined.
KATA PENGANTAR.....	Error! Bookmark not defined.
UCAPAN TERIMA KASIH.....	Error! Bookmark not defined.
ABSTRAK	Error! Bookmark not defined.
DAFTAR ISI.....	1
DAFTAR TABEL.....	4
DAFTAR GAMBAR	5
DAFTAR LAMPIRAN	6
BAB I	Error! Bookmark not defined.
1.1 Latar Belakang	Error! Bookmark not defined.
1.2 Rumusan Masalah	Error! Bookmark not defined.
1.3 Batasan Masalah.....	Error! Bookmark not defined.
1.4 Tujuan Penulisan.....	Error! Bookmark not defined.
1.5 Metode Penelitian.....	Error! Bookmark not defined.
1.6 Sistematika Pembahasan	Error! Bookmark not defined.
BAB II.....	Error! Bookmark not defined.
2.1 Pengertian Instalasi Listrik.....	Error! Bookmark not defined.
2.2 Prinsip-Prinsip Dasar dalam Instalasi Listrik.....	Error! Bookmark not defined.
2.3 Penghantar Listrik	Error! Bookmark not defined.
2.4 Pengaman Instalasi Listrik	Error! Bookmark not defined.
2.5 Kotak Kontak dan Tusuk Kontak.....	Error! Bookmark not defined.
2.6 Perlengkapan Hubung Bagi (PHB) / <i>Distribution Panel</i> ..	Error! Bookmark not defined.
2.7 Instalasi Penerangan.....	Error! Bookmark not defined.
2.8 Instalasi Pendingin Udara.....	Error! Bookmark not defined.
BAB III.....	Error! Bookmark not defined.

3.1 Metode Penelitian.....	Error! Bookmark not defined.
3.2 Waktu dan Lokasi.....	Error! Bookmark not defined.
3.3 Prosedur Perancangan	Error! Bookmark not defined.
3.4 Diagram Alir Proyek Akhir.....	Error! Bookmark not defined.
3.5 Gambar Situasi	Error! Bookmark not defined.
3.6 Jenis Lampu yang digunakan.	Error! Bookmark not defined.
BAB IV	Error! Bookmark not defined.
4.1 Hasil Observasi pada Gedung Graha Laga Satria <i>Sporthall</i>	Error! Bookmark not defined.
4.2 Penentuan Kebutuhan Instalasi Penerangan.	Error! Bookmark not defined.
4.2.1 Lantai 1	Error! Bookmark not defined.
4.2.2 Lantai 2.....	Error! Bookmark not defined.
4.3 Penempatan Tata Letak Kotak Kontak.....	Error! Bookmark not defined.
4.4 Pengelompokan Titik Lampu & Kotak Kontak / <i>Grouping</i>	Error! Bookmark not defined.
4.5 Menentukan Kebutuhan Pendingin Udara (<i>Air Conditioning</i>)	Error! Bookmark not defined.
4.5.1. Lantai 1	Error! Bookmark not defined.
4.5.2. Lantai 2.....	Error! Bookmark not defined.
4.6 Perhitungan Rekapitulasi Daya dan Nilai Arus Pengamanan.	Error! Bookmark not defined.
4.6.1 SDP 1.1.....	Error! Bookmark not defined.
4.6.2 SDP 1.2.....	Error! Bookmark not defined.
4.6.3 SDP 1.3.....	Error! Bookmark not defined.
4.6.4 SDP 2.1.....	Error! Bookmark not defined.
4.6.5 SDP 2.2.....	Error! Bookmark not defined.
4.6.6 SDP 2.3.....	Error! Bookmark not defined.
4.6.7 SDP 1.....	Error! Bookmark not defined.
4.6.8 SDP 2.....	Error! Bookmark not defined.
4.6.9 MDP	Error! Bookmark not defined.
4.7 Menentukan Nilai Pengaman Panel Distribusi.....	Error! Bookmark not defined.

4.8 Menentukan Tahanan Pentanahan / <i>Grounding</i>	Error! Bookmark not defined.
4.9 Perhitungan Luas Penampang Konduktor	Error! Bookmark not defined.
4.10 Hasil Temuan	Error! Bookmark not defined.
BAB V	Error! Bookmark not defined.
5.1 Simpulan.....	Error! Bookmark not defined.
5.2 Impikasi.....	Error! Bookmark not defined.
5.3 Rekomendasi	Error! Bookmark not defined.
DAFTAR PUSTAKA	Error! Bookmark not defined.
LAMPIRAN	Error! Bookmark not defined.

DAFTAR TABEL

Tabel 2.1 Susut Tegangan	Error! Bookmark not defined.
Tabel 2.2 Nilai Kapasitas kompresor dan Kesejukan Udara/jam.	Error! Bookmark not defined.
Tabel 4. 1 Jenis Lampu yang digunakan berdasarkan Ruangan.	Error! Bookmark not defined.
Tabel 4. 2 Daftar Ruangan Lantai 1 dan Jumlah titik cahaya.	Error! Bookmark not defined.
Tabel 4. 3 Daftar Ruangan Lantai 2 dan Jumlah titik cahaya.	Error! Bookmark not defined.
Tabel 4.4 Jumlah dan Kapasitas Daya Pendingin Udara Lantai 1.	Error! Bookmark not defined.
Tabel 4. 5 Jumlah dan Kapasitas Daya Pendingin Udara Lantai 2.	Error! Bookmark not defined.
Tabel 4. 6 Pengelompokan Lampu Lantai 1 (SDP 1.1)	Error! Bookmark not defined.
Tabel 4. 7 Pengelompokan Kotak Kontak beserta Kapasitas Beban (SDP 1.2)	Error! Bookmark not defined.
Tabel 4. 8 Pengelompokan Pendingin Udara dan Nilai Arus Pengaman setiap Grup (SDP 1.3).....	Error! Bookmark not defined.
Tabel 4. 9 Pengelompokan Titik Lampu Lantai 2 dan Nilai Pengaman setiap Grup (SDP 2.1).....	Error! Bookmark not defined.
Tabel 4. 10 Pengelompokan Kotak Kontak beserta Kapasitas beban (SDP 2.2)	Error! Bookmark not defined.
Tabel 4. 11 Pengelompokan Pendingin Udara beserta Nilai Arus Pengaman setiap Grup (SDP 2.3).....	Error! Bookmark not defined.

Tabel 4. 12 Rincian Komponen Instalasi Listrik Gedung Graha Laga Satria Sporthall.....	E
--	---

ror! Bookmark not defined.

DAFTAR GAMBAR

Gambar 2.1 Penampang sebuah Konduktor	Error! Bookmark not defined.
Gambar 2.2 Kabel NYA	Error! Bookmark not defined.
Gambar 2.3 Kabel NYM	Error! Bookmark not defined.
Gambar 2.4 Kabel NYY	Error! Bookmark not defined.
Gambar 2.5 Kabel NYAF	Error! Bookmark not defined.
Gambar 2.6 Kabel NYMHY	Error! Bookmark not defined.
Gambar 2.7 Kabel NYFGbY	Error! Bookmark not defined.
Gambar 2.8 <i>Mini Circuit Breaker</i> 3 kutub.	Error! Bookmark not defined.
Gambar 2.9 MCCB Tipe <i>Compact NSX</i> (100-630 A).....	Error! Bookmark not defined.
Gambar 2.10 Kotak Kontak	Error! Bookmark not defined.
Gambar 2.11 Bagan PHB dengan proteksi arus.	Error! Bookmark not defined.
Gambar 2.12 Bagan PHB dengan pemutus sirkuit / MCB. ...	Error! Bookmark not defined.

Gambar 2.13 Hukum Luminansi.....	Error! Bookmark not defined.
Gambar 2.14 Konstruksi dari Lampu Pijar.	Error! Bookmark not defined.
Gambar 2.15 Bentuk-bentuk Lampu LED.	Error! Bookmark not defined.
Gambar 3.16 Arena Laga Utama.....	Error! Bookmark not defined.
Gambar 3.17 Arena Laga Utama.....	Error! Bookmark not defined.
Gambar 3.18 Philips Power Balance LED.....	Error! Bookmark not defined.
Gambar 3.19 Philips Green Space LED Gen 4	Error! Bookmark not defined.
Gambar 3.20 Philips Tango G2 LED.....	Error! Bookmark not defined.

DAFTAR LAMPIRAN

- Lampiran 1. *Light and Lighting – Sports Lighting British Standard*
- Lampiran 2. Spesifikasi Lampu TL LED 33 Watt (Philips Power Balance 2.0)
- Lampiran 3. Spesifikasi Lampu Tango LED 120 Watt (Philips Tango LED G2)
- Lampiran 4. Spesifikasi Lampu XL 7, 12 & 16 Watt (Philips GreenSpace Gen 4)
- Lampiran 5. Spesifikasi Kabel NYFGbY, NYY & NYM.
- Lampiran 6. Gambar Situasi
- Lampiran 7. Gambar Perancangan