Divisi : Elektrik

Sub-Divisi : HV – LV

Kebutuhan : Full System FSAE

Tanggal : 15 Juni 2022

No. Rek : -

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **No** | | **Jenis Kegiatan** | **June** | | | **July** | | | |  |  | **Person**  **Penanggung-jawab** |
| **M3** | **M4** | **M5** | **M1** | **M2** | **M3** | **M4** |  |  |
| 1 | Prototyping Accumulator Indicator HV |  |  |  |  |  |  |  |  |  | Lazu ganteng | |
| 2 | mal-malan accumulator HV |  |  |  |  |  |  |  |  |  | Lazu ganteng | |
| 3 | APPS |  |  |  |  |  |  |  |  |  | Faris | |
| 4 | Beli equipment/tools elektrik |  |  |  |  |  |  |  |  |  | Faris | |

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| **1. Jenis Perlengkapan** | **Volume** | **Harga Satuan (Rp)** | **Nilai (Rp)** |
| **Beli equipment/tools elektrik/** voltmeter digital [*https://www.tokopedia.com/housesparepart/zoyi-zt102a-upgrade-auto-multimeter-digital-avometer-multitester-ori?src=topads*](https://www.tokopedia.com/housesparepart/zoyi-zt102a-upgrade-auto-multimeter-digital-avometer-multitester-ori?src=topads) | 1 | 184000 | 184000 |
| **APPS/** ADC ADS1115  [*https://www.tokopedia.com/akhishop/ads1115-16-bit-adc-4-channel-with-programmable-gain-amplifier*](https://www.tokopedia.com/akhishop/ads1115-16-bit-adc-4-channel-with-programmable-gain-amplifier) | 1 | 80000 | 80000 |
| **Beli equipment/tools elektrik/** solder taffware biru bisa di atur suhunya + letakan solder + 5 mata solder  <https://www.tokopedia.com/mochzaq/taffware-solder-iron-adjustable-temperature-60w-cs-31-black?extParam=ivf%3Dfalse%26src%3Dsearch> | 2 | 45000 | 90000 |
| **Beli equipment/tools elektrik/** timah cair buat prototype BMS  *[MRI mulyos]* [*https://www.tokopedia.com/mri/timah-cair-timah-pasta-xg30-mechanic-classical*](https://www.tokopedia.com/mri/timah-cair-timah-pasta-xg30-mechanic-classical) | 1 | 25000 | 25000 |
| **Accumulator Indicator HV**/ Transistor 2N3904  *[isee]*  [*https://www.tokopedia.com/isee/2n-3904-2n3904-dip-transistor-to-92-0-2a-40v*](https://www.tokopedia.com/isee/2n-3904-2n3904-dip-transistor-to-92-0-2a-40v) | 10 | 300 | 3000 |
| **Accumulator Indicator HV**/ Zener 12V  *[isee]* [*https://www.tokopedia.com/isee/dioda-zener-12volt-diode-12v-12-volt-dip*](https://www.tokopedia.com/isee/dioda-zener-12volt-diode-12v-12-volt-dip) | 10 | 300 | 3000 |
| **Accumulator Indicator HV**/ Resistor 510 ohm 0.25watt 1%  *[Eltech pasar genteng]*  [*https://www.tokopedia.com/eltech-online/1-1-persen-resistor-tahanan-0-25w-0-25-w-1-4w-1-4-w-watt*](https://www.tokopedia.com/eltech-online/1-1-persen-resistor-tahanan-0-25w-0-25-w-1-4w-1-4-w-watt) | 10 | 225 | 2250 |
| **Accumulator Indicator HV**/ Resistor 10M ohm 0.25Watt 1%  *[Eltech pasar genteng]*  [*https://www.tokopedia.com/eltech-online/1-1-persen-resistor-tahanan-0-25w-0-25-w-1-4w-1-4-w-watt*](https://www.tokopedia.com/eltech-online/1-1-persen-resistor-tahanan-0-25w-0-25-w-1-4w-1-4-w-watt) | 10 | 225 | 2250 |
| **Accumulator Indicator HV**/ Lampu setrika neon bulb  *Beli offline di berkat keputih*  *Kalo ga ada online di* [*https://www.tokopedia.com/tojilasman/setrika-seterika-sterika-lampu-indikator-220v-ac-neon-an-iron-lamp-220?extParam=ivf%3Dfalse%26src%3Dsearch*](https://www.tokopedia.com/tojilasman/setrika-seterika-sterika-lampu-indikator-220v-ac-neon-an-iron-lamp-220?extParam=ivf%3Dfalse%26src%3Dsearch) | 6 | 1000 | 6000 |
| **Accumulator Indicator HV** / PCB Dot Matrix 12x18 cm  *[isee]* [*https://www.tokopedia.com/isee/pcb-dot-matrix-lobang-ic-type-12x18-12x18cm-fiber-glass-12-x-18-cm*](https://www.tokopedia.com/isee/pcb-dot-matrix-lobang-ic-type-12x18-12x18cm-fiber-glass-12-x-18-cm) | 1 | 20000 | 20000 |
| **mal-malan accumulator HV**/ Karton hardboard tebel 3mm/2mm ukuran 60x70cm  *Belinya bebas dimana saja* | 10 | 15000 | 150000 |
| **mal-malan accumulator HV**/ Cutter yang bagus  *Belinya bebas dimana saja* | 1 | 12000 | 12000 |
| **mal-malan accumulator HV**/ Lem Fox putih 350gr  *Belinya bebas dimana saja* | 1 | 10000 | 10000 |
| **mal-malan accumulator HV**/ Isi lem tembak  *Belinya bebas dimana saja* | 5 | 1000 | 5000 |
| TOTAL | | | 592500.00 |
| *Lima ratus Sembilan puluh dua ribu lima ratus rupiah* | | | |

Note:

Beri Blok Merah Jika Urgent!

LAMPIRAN

**PANDUAN PEMBELIAN KOMPONEN LV:**

Fyi, LV biasanya beli di toko2 berikut untuk yg offline: urutan berikut dimulai dari harga termurah

1. Isee electronic:

harga mahasiswa, kebanyakan menyediakan komponen2, IC, dan beberapa modul analog.

katalog dan tokped: <https://www.tokopedia.com/isee>

pin toko ofline: <https://goo.gl/maps/3keTCZdFArRHhnrK6>

1. Akhishop:

Kebanyakan menyediakan modul digital, bukan komponen

Link tokped: <https://www.tokopedia.com/akhishop>

Pin toko ofline: <https://goo.gl/maps/CTaEXHd23RyUAMfRA>

1. MRI

Ini sebenernya toko robot abu KRI, kebanyakan jual modul2 dan IC

Link tokped: <https://www.tokopedia.com/mri>

toko oflen: JL kejawan putih tambak no 75 mulyorejo Surabaya

1. Berkat electronic

Toko komponen dan modul, menurutku ini toko semuanya lengkap si dan murah.

Cuma ada toko oflen gaada katalog, mbak2 yg jual judes. Tokonya ada 2 cabang:

Toko mulyos: <https://goo.gl/maps/8ywrfnY2qJc5hSpNA>

Toko kejawan gebang sebelah warkop giras: <https://goo.gl/maps/nB8hBhiz5j1yzTpx7> ini yg sering beli disini.

1. Eltra pasar genteng

Toko ini menjual komponen non elektronik seperti kabel, konektor, tools, dll

Ada 2 toko di pasar genteng: yg didalam pasar dan diluar pasar.

Aku biasanya yg diluar pasar krn lebih lengkap pinnya ini: <https://goo.gl/maps/ChqCu3QgkVpBnaip9>

disitu ada 2 toko eltra di lantai 2 diatas parkiran motor. Yg didepan dan belakang deket lift. Yg depan itu aku biasanya disitu buat komponen low voltage, yg dibelakang biasanya buat high voltage (anak hv biasanya jg disitu). Ntar kalo barangnya gaada bisa di eltech lt 2 yg belakang atau ke yg didalem pasar genteng.

Eltra gaada tokped dan katalognya.

1. Eltech electronic pasar genteng

Lantai 2 pasar genteng, barang lengkap Cuma harganya mahal. Ga rekomen kecuali kepepet dan jika gaada barang alternatif di tokped.