



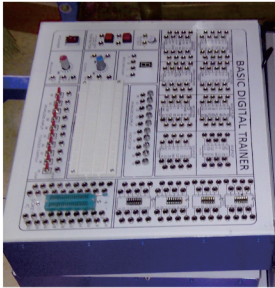
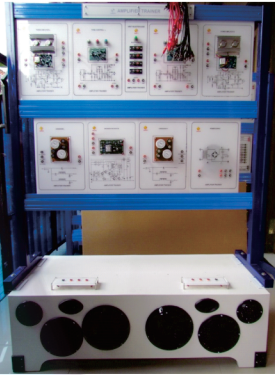
## RENCANA ANGGARAN BIAYA (RAB) TEKNIK AUDIO VIDEO

| No. | Jenis Barang              | Rasio |      | Harga      | Jumlah      |
|-----|---------------------------|-------|------|------------|-------------|
| 1   | Multimeter Digital        | 5     | Buah | 4,312,500  | 21,250,000  |
| 2   | Basic Electronic Trainer  | 2     | Buah | 24,687,500 | 49,375,000  |
| 3   | Digital Trainer           | 2     | Buah | 13,750,000 | 27,500,000  |
| 4   | Audio Stereo Trainer      | 2     | Buah | 27,500,000 | 55,000,000  |
| 5   | TV Trainer                | 2     | Buah | 23,750,000 | 47,500,000  |
| 6   | LED TV Trainer            | 1     | Buah | 24,062,500 | 24,062,500  |
| 7   | Tape Radio Trainer        | 1     | Buah | 10,625,000 | 10,625,000  |
| 8   | Pemancar Radio FM Trainer | 1     | Buah | 14,375,000 | 14,375,000  |
|     |                           |       |      |            | 250,000,000 |

## (SPESIFIKASI) TEKNIK AUDIO VIDEO

| No. | Jenis Peralatan          | Deskripsi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Gambar                                                                                |
|-----|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 1.  | Multimeter Analog        | Merk / Type : SANWA / CD800A<br>Spesifikasi :<br>3-3 / 4 digits 4000 count<br>0.7% best accuracy<br>Capacitance measurement<br>* No suitable for measurement of condensers with large leak current<br>Frequency measurement (AC sine wave only)<br>Data hold / Range hold<br>Relative value<br>Auto power off (30 min) (cancelable)<br>Low power ohm (input voltage 0.4V) at continuity range<br>Solid and protective body cover that can also be used as a tilt stand<br>Chip holder behind the body cover<br>Display : numeral display 4000<br>Sampling rate : 2 times / sec.<br>AC frequency bandwidth : 40-400H                                                                                                                                                                                            |  |
| 2.  | Basic Electronic Trainer | Merk / Type : SARANA - SCM-EI05-2<br>Spesifikasi :<br>- Modul Rangkaian AC/DC<br>- Modul Rangkaian 3 Fase<br>- Modul Teknik Pengukuran AC<br>- Modul Hambatan (serie/parallel dll)<br>- Modul Rangkaian Transistor Dasar<br>- Modul Multivibrator; Transistor<br>- Modul Rangkaian FET<br>- Modul Amplifier Switching<br>- Modul Diffrensial Amplifier<br>- Modul Operational Amplifier<br>- Modul Catu Daya (switched power supply step up/down regulator)<br>- Modul Rangkaian Rectifier/Stabilizer Dioda<br>- Modul Transistor Bipolar<br>- Modul SCR/TRIAC<br>Kelengkapan<br>- Jack Banana double+Single Rak dengan besi Hollow 40x40mm & Aluminium Profile<br>- Modul PCB Fiber ditempatkan pada akrilik 5mm ukuran lebar A4 dan A5 dikerjakan dengan mesin laser<br>- Modul pengoperasian, Lembar Kerja. |  |
| 3.  | Digital Trainer          | Merk / Type : SARANA - SCM-EI06-2<br>Spesifikasi :<br>- Power Supply<br>- Pulse Generator<br>- AND Gate Dual Input<br>- NAND Gate Dual Input<br>- OR Gate Dual Input                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                       |



| No. | Jenis Peralatan      | Deskripsi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Gambar                                                                                |
|-----|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|     |                      | <ul style="list-style-type: none"><li>- NOR Gate Dual Input</li><li>- HEX Inverter / NOT Gate</li><li>- Socket IC</li><li>- D Flip-Flop</li><li>- JK Flip-Flop</li><li>- Input Logic</li><li>- Logic Indikator</li><li>- 7 Segment</li><li>- 4 Bit Binary Counter</li><li>- Soker IC</li><li>- Project Board</li></ul> KELENGKAPAN <ul style="list-style-type: none"><li>- Box Alluminium</li><li>- Cover Acrilik Cutting &amp; Grafir Menggunakan Mesin Laser</li><li>- Kabel Jumper</li><li>- Modul Pengoperasian</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                          |    |
| 4.  | Audio Stereo Trainer | Merk / Type : SARANA - SCM-EI01-2<br>Spesifikasi : <ul style="list-style-type: none"><li>- Modul Power Supply</li><li>- Modul Input Selector Audio</li><li>- Modul Tone Control R</li><li>- Modul Tone Control L</li><li>- Modul Power Amplifier R</li><li>- Modul Power Amplifier L</li><li>- Modul Speaker Protector</li><li>- Modul Crossover R</li><li>- Modul Crossover L</li><li>- Modul Loud Speaker R &amp; L</li></ul> KELENGKAPAN <ul style="list-style-type: none"><li>- Connector Cable</li><li>- Power AC Cable</li><li>- Stand Up Trainer Rak dari bahan besi hollow 4x4mm dan aluminium profile lapis Cat Duco, Ukuran tinggi 1300 mm panjang 1000mm, bahan modul acrylic 5mm ukuran A4 - A5</li><li>- Speaker Box, Multiplex lapis Cat</li><li>- Stand : Hollow Pipe 40 x 40mm</li><li>- Semua Modul di tempatkan pada acrylic Plat A4</li><li>- Cover Acrylic Cutting &amp; Grafir Menggunakan Mesin Laser.</li></ul> |   |
| 5.  | TV Trainer           | Merk / Type : SARANA - SCM-EI03-1<br>Spesifikasi : <ul style="list-style-type: none"><li>- Main Board 21" Color Television Trainer</li><li>- Tabung Gambar (CRT) 21"</li><li>- Modul Control TV Warna 21" lengkap dengan tombol-tombol dan remote control</li><li>- Panel 20 Fault Point</li><li>- Panel 20 Measurement Test</li><li>- Antena</li></ul> KELENGKAPAN <ul style="list-style-type: none"><li>- CD Copy Modul Pengoperasian</li><li>- Kabel Power + Single Jack Banana</li><li>- Box Multiplex Lapis Cat Duco</li><li>- Cover Acrylic Cutting &amp; Grafir Menggunakan Mesin Laser.</li></ul>                                                                                                                                                                                                                                                                                                                              |  |
| 6.  | LED TV Trainer       | Merk / Type : SARANA - SCM-EI03-3<br>Spesifikasi : <ul style="list-style-type: none"><li>- Main Board 17" LED TV</li><li>- 17" Screen LED TV</li><li>- Modul Control TV Warna 21" lengkap dengan tombol-tombol dan remote control</li><li>- Panel 6 Fault Point</li><li>- Panel 10 Measurement Test</li><li>- Antena</li></ul> KELENGKAPAN <ul style="list-style-type: none"><li>- CD Copy Modul Pengoperasian</li><li>- Kabel Power + Single Jack Banana</li><li>- Box Multiplex lapis Cat Duco</li><li>- Cover Acrylic Cutting &amp; Grafir Menggunakan Mesin Laser.</li></ul>                                                                                                                                                                                                                                                                                                                                                       |  |
| 7.  | Tape Radio Trainer   | Merk / Type : SARANA - EI08<br>Spesifikasi : <ul style="list-style-type: none"><li>- Block Diagram</li><li>- Pre Amp Mic</li><li>- Pre Amp Head And Record</li><li>- Tone Control</li><li>- Power Amp</li><li>- Loud Speaker</li><li>- Fault Control</li><li>- Antena</li><li>- Power Switch</li></ul> KELENGKAPAN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |



| No. | Jenis Peralatan           | Deskripsi                                                                                                                                                                                                                                                                                                                                                                                | Gambar                                                                              |
|-----|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|     |                           | KELENGKAPAN<br>- Box dari bahan plate alumunium lapis Cat Duco<br>- Cover Board dari Acrylic, Cutting & Grafir Menggunakan Mesin Laser                                                                                                                                                                                                                                                   |                                                                                     |
| 8.  | Pemancar Radio FM Trainer | Merk / Type : SARANA - SCM-EI05-1<br>Spesifikasi :<br>- Blog FM Transmitter<br>- Oscilator Modul<br>- Penguat<br>- Tone Controll<br>- Input Terminal<br>- Indicator<br>- Fault Controll<br>- Box Alluminium Plat<br>- Cover Acrylic Cutting & Grafir Menggunakan Mesin Laser<br>KELENGKAPAN<br>- Buku Modul Pengoperasian<br>- Input Cable<br>- Power AC Cable<br>- Modul Pengoperasian. |  |