

NO	NAMA PRODUK	SPESIFIKASI	KODE	HARGA	NO	NAMA PRODUK	SPESIFIKASI	KODE	HARGA
1	2	3	4	5	6	7	8	9	10
1	Trainer Listrik Air Garam	Merek : ELAG - Type/Set : HD-JS01 - Negara Asal : INDONESIA - Dimensi/Berat : Panjang 60 cm, Lebar 24 cm, Tinggi 40 cm, Berat 7 Kg. - Frame : Bahan MDF Warna Merah - Lampu Air Garam Type SWL01 Merek HEI 1 Unit - Panel Display Bahan Acrylic 1 Unit - Display Driver dan PCB LED 8 Titik x 0,2 Watt 1 Set - Tabung Modul 4 Set, Botol Takaran Air Garam 2 Pcs, - Voltmeter & Amperemeter 1 Set, Luxmeter 1 Unit (Merek Opsional) - Joloh SD MI, SMP/MTS, SMA/MA dan SMK 1 Paket - Buku Petunjuk Operasional dan Kartu Garansi 1 Set	G-1	Rp 10.450.000	10	Vacum Ball Transfer Application with PLC & HMI Control	PLC CPU unit (OMRON CP1E-N2ODR-A)* -HMI unit (OMRON NB5Q)* -PLC input -PLC output -Indicator lamp -Input switches (push button) -Application Input/output (compatible with automation trainer) -Power supply unit (Input: 220VAC, Output: 24VDC) - PLC: 20 I/O (12input/8output), output relay, direct USB programming - Module board : Acrylic 4mm, full colors printing - Connectors : Standard safety banana plug - Box: Medium density fiberboard, paint coating - Accessories : Jumper cable, power cable, USB cable, communication cable - Dimension : 40x23x14 centimeter (WxLxH) *Note : PLC/HMI brand and model can be custumed by order.	G-6	Rp 43.560.000
2	Scada System with Application Trainer	Actuators: Gripper, Double acting cylinder, Linear slide system, Induction motor and inverter - Sensors: Photo sensor, Magnetic sensor, Induction sensor - Controller: PLC, HMI and computer PC Workpiece : Aluminium and plastic Connector : I/O board with DB terminal - Frame : Aluminium profile combine with nylon sheet Base plate : Aluminium plate Air pressure : 4-6 bar Source : AC 220V/50-60Hz	G-2	Rp 178.200.000	11	Assembling & Sorting Application with PLC Control	Description -PLC CPU unit (OMRON CP1E-EPOSDR-A)* -Indicator lamp -Input switches (push buttons) -PLC input -PLC output -Power supply unit (Input: 220VAC, Output: 24VDC) -Application Input/output (compatible with automation trainer) Specification - PLC: 20 I/O (12input/8 output), output relay, direct USB programming - Module board : Acrylic 4mm, full colors printing - Connectors : Standard safety banana plug Box: Medium density fiberboard, paint coating Accessories - Jumper cable, power cable, USB cable - Dimension : 40x23x10 centimeter (WxLxH) * Note PLC brand and model can be custumed by order.	G-7	Rp 59.400.000
3	Scada System with Application Trainer	Training contents : - Setting parameter for process control - Analysis of process sequence - Identification of I/O unit - Defining process for feeding and sorting - Programming PLC sequence control system - Programming HMI control system -Setting parameter of Inverter - Supervisory and monitoring system Specification : - Actuators: Gripper, Double acting cylinder, Rotary actuator, Induction motor and inverter Sensors: Photo sensor, Magnetic sensor Induction sensor - Controller: PLC, HMI and computer PC - Workpiece : Aluminium and plastic - Connector : I/O board with DB terminal - Frame : Aluminium profile combine with nylon sheet Base plate: Aluminium plate - Air pressure : 4-6 bar Source: AC 220V/50-60Hz	G-3	Rp 158.400.000	12	Assembling & Sorting Application with PLC & HMI Control	Description -PLC CPU unit (OMRON CP1E-N2ODR-A)* -HMI unit (OMRON NB5Q)* -PLC input -PLC output -Indicator lamp -Input switches (push button) -Application Input/output (compatible with automation trainer) -Power supply unit (Input: 220VAC, Output: 24VDC) Specification - PLC: 20 I/O (12input/8output), output relay, direct USB programming - Module board : Acrylic 4mm, full colors printing - Connectors : Standard safety banana plug - Box: Medium density fiberboard, paint coating - Accessories : Jumper cable, power cable, USB cable, communication cable - Dimension : 40x23x14 centimeter (WxLxH) *Note : PLC/HMI brand and model can be custumed by order.	G-8	Rp 65.340.000
4	Metal & Non Metal Sorting Application with PLC & HMI Control	Actuators: Gripper, double acting cylinder, rotary actuator Sensors: Photo sensor, magnetic sensor, inductive sensor I/O: 9sensors/4 actuators Workpiece : Aluminum and plastic Frames/supports: Aluminum profile, nylon plastic, sheet metal Connectors: I/O board (compatible with PLC Trainer, box version) Dimension: 42x30x30 centimeter (WxLxH) Air pressure: 4-6 bar (0.4-0.6Mpa) Sensors & valve power supply 24 VDC -PLC CPU unit (OMRON CP1E-N2ODR-A)* -HMI unit (OMRON NB5Q)* -PLC input -PLC output -Indicator lamp -Input switches (push button) -Application Input/output (compatible with automation trainer) -Power supply unit (Input: 220VAC, Output: 24VDC) - PLC: 20 I/O (12input/8output), output relay, direct USB programming - Module board : Acrylic 4mm, full colors printing - Connectors : Standard safety banana plug - Box: Medium density fiberboard, paint coating - Accessories : Jumper cable, power cable, USB cable, communication cable - Dimension : 40x23x14 centimeter (WxLxH) *Note : PLC/HMI brand and model can be custumed by order.	G-4	Rp 57.200.000	9	Vacum Ball Transfer Application	Training contents - Setting parameter for process control - Analysis of process sequences - Programming PLC sequences control System Workflow Transfer ping pong ball from lower position to higher position, using vacuum pad, double acting cylinder and rotary actuator. Specification - Actuators : Vacuum pad, double acting cylinder, rotary actuator -Sensors: Photo sensor, magnetic sensor -I/O : 5 sensors/ 3 actuator -Frames/supports: Aluminum profile, nylon plastic, sheet metal. -Connector : I/O Board (compatible with PLC Trainer 1, box version) Dimension : 42x30x35 Cm (WxLxH) -Sensors & valve power supply : 24 VDC	G-9	Rp 23.760.000
5	Vacum Ball Transfer Application with PLC Control	MECHANICAL SPECIFICATION Training contents - Setting parameter for process control - Analysis of process sequences - Programming PLC sequences control System Workflow Transfer ping pong ball from lower position to higher position, using vacuum pad, double acting cylinder and rotary actuator. Specification - Actuators : Vacuum pad, double acting cylinder, rotary actuator -Sensors: Photo sensor, magnetic sensor -I/O : 5 sensors/ 3 actuator -Frames/supports: Aluminum profile, nylon plastic, sheet metal. -Connector : I/O Board (compatible with PLC Trainer 1, box version) Dimension : 42x30x35 Cm (WxLxH) -Sensors & valve power supply : 24VDC CONTROLLER SPECIFICATION: Description -PLC CPU unit (OMRON CP1E-EPOSDR-A)* -Indicator lamp -Input switches (push button) -PLC input -PLC output -Power supply unit (Input: 220VAC, Output: 24VDC) -Application Input/output (compatible with automation trainer) Specification - PLC: 20 I/O (12input/8 output), output relay, direct USB programming - Module board : Acrylic 4mm, full colors printing - Connectors : Standard safety banana plug Box: Medium density fiberboard, paint coating Accessories - Jumper cable, power cable, USB cable - Dimension : 40x23x10 centimeter (WxLxH) * Note PLC brand and model can be custumed by order.	G-5	Rp 33.660.000	10	Metal non Metal Sorting Application Trainer	Training contents - Setting parameter for process control - Analysis of process sequences - Defining proses for sorting - Programming PLC sequences control System Workflow Transfer workpiece from magazine to storage and separate between metal and non metal using gripper, double acting cylinder and rotary actuator Specification - Actuators: Gripper, double acting cylinder, rotary actuator -Sensors: Photo sensor, magnetic sensor, inductive sensor -I/O: 9sensors/4 actuators -Workpiece : Aluminum and plastic -Frames/supports: Aluminum profile, nylon plastic, sheet metal -Connectors: I/O board (compatible with PLC Trainer, box version) Dimension: 42x30x30 centimeter (WxLxH) -Air pressure: 4-6 bar (0.4-0.6Mpa) -Sensors & valve power supply 24 VDC	G-10	Rp 29.700.000

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11	Assembling and Sorting Application Trainer	Training contents - Setting parameter for process control - Analysis of process sequences - Defining process for assembling -Defining process for sorting -Programming PLC sequences control system Workflow Assembly small workpiece into large workpiece and transfer workpiece to storage and separate between metal and non metal using gripper, double acting cylinder and linear slide system Specification -Actuators : Gripper, double acting cylinder, linear slide system -Sensors : Photo sensor, magnetic sensor, inductive sensor - I/O:11 sensors/6 actuators - Workpiece : Aluminium and plastic - Frames/supports: Aluminium profile, nylon plastic, sheet metal -Connectors : I/O board (compatible with PLC Trainer, box version) -Dimension : 42x30x35 centimeter (WxLxH) - Air pressure : 4-6 bar (0.4-0.6 Mpa) - Sensors & Valve power supply : 24VDC	G-11	Rp	45.540.000	16	Hydraulic Training Unit (Whole set)	Component : Hydraulic power unit Pressure gauge Pressure distributor Return distributor Relief valve 4/3 Way double sol. valve 4/2 Way single sol. valve Double acting cylinder Hydraulic motor Pressure switch Limit switch Proximity sensor Speed control 3 Way distributor Relay module Timer module PLC Power supply unit Specification : -Module board : Acrylic 4mm, full colors printing - Connectors : Standard safety banana plug - Frame : Aluminium profile, hollow 40x40 - Accessories : Jumper cable, power cable, hydraulic hose, fittings, quick coupler - Dimension : 180x60x160 centimeter	G-16	Rp	346.500.000
12	Fundamental Of Electrical machine	Voltmeter AC Star Delta Switch Amperemeter AC Motor Starter Unit Control Brake Resistive Load Voltmeter DC Rheostat For Field Regulation Amperemeter DC Rheostat For Armature Reg. Rectifier Circuit Single Phase Transformer Main Switch Three Phase Transformer Pole Changing Brake Machine Electrical Machine DC Motor, Single Phase Motor, 3 Phase Motor, Dual Speed Motor Specification: Frame : -Aluminium profile & square hollow pipe - Module board : Acrylic 4mm, full colors printing - Connectors : Standard safety banana plug - Box: Medium density fiberboard, paint coating - Accessories : Jumper cable, power cable - Dimension : 108x70x180 centimeter (WxLxH)	G-12	Rp	207.900.000	17	Valve Cross Section (Pneumatic & Hydraulic)	Description: 4/2 Way single solenoid hydraulic valve 4/3 Way double solenoid hydraulic valve 4/3 Way double solenoid hydraulic valve 3/2 Way single solenoid pneumatic valve 5/3 Way single solenoid pneumatic valve 5/3 Way double solenoid pneumatic valve Specification: - Frame : Square hollow pipe - Module board : Acrylic 4mm, full colors printing - Dimension : 75x30x55 centimeter (WxLxH)	G-17	Rp	25.740.000
13	Inverter Trainer	Inverter Unit Indicator Lamp Voltmeter & Amperemeter Motor Revolution Sensor Pulse Meter Analog Signal Potentiometer Switches Three Phase Motor Specification: - Frame : Aluminium profile - Module board : Acrylic 4mm, full colors printing - Connectors : Standard safety banana plug - Accessories : Jumper cable - Dimension : 60x30x50 centimeter (WxLxH) *Note : Inverter brand and model can be customised by order.	G-13	Rp	29.700.000	18	PLC Trainer (Suitcase)	Description 1 PC CPU unit (OMRON CP1E-E2OSDR-A)* 2 PLC input with digital switch 3 PLC output 4 Indicator lamp 5 Input switches (push button) 6 Emergency stop 7 Rotary switch 8 Relay 9 Traffic light simulator 10 Sensor 11 Power supply unit (Input: 220VAC, Output: 24VDC) Specification - PLC: 20 I/O (12input/8output), output relay, direct USB programming - Module board : Acrylic 4mm, full colors printing - Connectors : Standard safety banana plug - Accessories : Jumper cable, power cable, USB cable - Dimension : 45x32x14 centimeter (WxLxH) *Note : PLC brand and model can be customised by order.	G-18	Rp	17.820.000
14	Conveyor & Inverter application Trainer	Inverter Belt Conveyor Proximity Sensor Photo Sensor Switches Three Phase Motor Specification: - Conveyor : Aluminium profile, PVC Belt - Module board : Acrylic 4mm, full colors printing -Connectors : Standard safety banana plug - Accessories : Jumper cable, Power Cable - Dimension : 42x30x25 centimeter (WxLxH) *Note : Inverter brand and model can be customised by order.	G-14	Rp	45.540.000	19	Basic Refrigerant Trainer	Description: Compressor Evaporator Condensor 3-stage capillary tube Filter drier Sight glass Manometer Pressure switch Thermometer Specification: - Module board : Multiplex - Frame : hollow 40x40 - Dimension : 120x40x150 centimeter	G-19	Rp	37.620.000
15	Pneumatic Training Unit (Whole set)	Air service unit Pressure gauge Air manifold Single acting cylinder Double acting cylinder 3/2 Way pneumatic valve 5/3 Way pneumatic valve 3/2 Way solenoid valve 5/3 Way solenoid valve 3/2 Way manual valve 5/3 Way manual valve Pressure switch Limit switch Proximity sensor AND valve OR valve Quick exhaust valve Pressure sequence valve Relay module Timer module PLC Power supply unit Specification : - Module board : Acrylic 4mm, full colors printing - Connectors : Standard safety banana plug - Frame : Aluminium profile, hollow 40x40 - Accessories : Jumper cable, power cable, air hose, fittings, air compressors - Dimension : 180x60x160 centimeter	G-15	Rp	297.000.000	20	Solar Cell Demonstration Trainer	Description : Solar cell panel Solar cell controller Battery Inverter Switches Voltmeter Amperemeter Stop contact Fitting lam Specification: - Module board : Acrylic 4mm, full colors printing - Frame : hollow 40x40 - Connectors : Standard safety banana plug - Accessories : Jumper cable, power cable - Dimension : 150x30x100 centimeter	G-20	Rp	21.780.000

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21	PLC Trainer (Stand)	PLC 2010 Push button & switches Indicator lamp Power supply unit (Input: 220VAC, Output: 24VDC) Input switches Relays Proximity sensor Traffic light simulator Buzzer Contactor Specification: - Module board : Acrylic 4mm, full colors printing - Frame : hollow 40x40 - Connectors : Standard safety banana plug - Accessories : Jumper cable, power cable - Dimension : 105x30x70 centimeter	G-21	Rp 29.700.000	27	Cartesian Robot PC base controller	Technical Data Mechanical: Travel X Axis :200 mm Travel Y Axis :200 mm Travel Z Axis :100 mm Feedrate Max :3000 mm/min Electrical: Voltage :220V/50HZ Phase :Single Phase General Spec. Applications :Education, training, research Configuration :3 Axis guide table Controller :PC Based Drive :2 Phase stepper motor Program Language :G-Code	G-27	Rp 148.500.000
22	Air Condition Demonstration Trainer	LTC-6-1 Cooling Van, Evaporator LTC-6-2 Thermostat LTC-6-3 Thermometer LTC-6-4 Hot gas pressure meter LTC-6-5 Liquid pressure meter LTC-6-6 Section pressure meter LTC-6-7 Sight Glass LTC-6-8 8 Control Valve LTC-6-9 Remote Control LTC-6-10 Filter Dryer LTC-6-11 Condenser LTC-6-12 Heater LTC-6-13 Compressor Data teknis: Dimensi: 900x500x1300mm - Pipa merah, biru, kuning - Cooling capacity 9000 Btu - Air Circulation Indoor 80 m3/min - Voltage 240 V, 900 Watt Kerangka besi Hollow 40x40mm dicat duco biru muda, menggunakan roda nylon 2 free 2 lock	G-22	Rp 25.740.000	28	Basic electrical Trainer 1 Phase	1 Modul LTC-1-1 Fuse box, sekering 2A, saklar putar.MCB 1 fasa 2A 1 Modul LTC-1-2 KWH meter, standard PLN, 1 fasa 3 kawat 1 Modul LTC-1-3 Multirange timer 220V/50Hz Timer ranges: 0.05s to 300h Mode: 6 timing modes Output: 2 output NO/NC 1 Modul LTC-1-4 Push button NO/NC, max 5A, warna merah 1 Modul LTC-1-5 Push button NO/NC, max 5A, warna hijau 2 Modul LTC-1-6 Series switch, max 5A 1 Modul LTC-1-7 Single switch, max 5A 1 Modul LTC-1-8 Cross switch, max 5A 2 Modul LTC-1-9 Change switch, max 5A 2 Modul LTC-1-10 Stop contact, inbow, 3 kawat 1 Modul LTC-1-11 Buzzer, 220 VAC 1 Modul LTC-1-12 Fitting lamp, 2 outbow Data teknis: Dimensi: 1000x400x 760 mm Aksesoris: - Stackable plug with cage springs - 1 Kabel power - Buku Modul/CDI	G-28	Rp 16.500.000
23	Electro Pneumatic trainer (Stand)	Double acting cylinder with 2 limit switch Double acting cylinder with 2 sensors Power supply unit (Input: 220VAC, Output: 24VDC) Switches (2 push button, 1 selector, 1 emergency) Relays (4xMY4) Timer Air service unit 5/2 Way single solenoid valve 2pcs 5/2 Way double solenoid valve 1pcs - Module board : Acrylic 4mm, full colors printing Connectors : Standard safety banana plug - Frame : Aluminum profile, hollow 40x40 - Accessories : Jumper cable, power cable, air hose, fittings, air compressors(optional) - Dimension : 110x30x105 centimeter (WxLxH)	G-23	Rp 49.500.000	29	PLC & HMI Scada trainer	SCADA TRAINER (stand) 1. PLC 2. HMI 3. Network adapter 4. Push Button 5. Indicator lamp 6. Traffic light simulator 7. Temperatur control/sensor 8. Relay 9. Buzzer 10. Power supply Dimensi: 110x30x75 cm (PxLxT)	G-29	Rp 132.000.000
24	Hydraulic Trainer Middle	Cylinder Double Acting, 40-150 with connector 1/4 inch-2 pcs - Sensor (limit switch Electric) 4 x SPDT, max 5A Valve 4/3 Solenoid 220 V, 2 pcs with connector 1/4 inc - Distributor Pressure and Return - Pressure Gauge - Relief Valve, otomatis pressure - Hydraulic pump 0.75kw 1Phase, tank max 12 liter - MCB 10 A 1 pcs - Push Button (spring), 1NO dan 1 NC 4 pcs - Lampu indikator 220VAC 6 pcs - Hydraulic hose 1/4" with Quick Coupler - PLC ZEN, input 220V, out relay - Relay MY2, coil 220VAC, 3x SPDT, 4pcs - Main switch with lamp Indikator 220V, power PLC - Stackable plug with cage springs - Power AC 220V, 10A	G-24	Rp 75.240.000	30	OP-AMP Trainer	ETC7A-1 Power Supply ETC-07A, input 220 VAC, Output 15VDC, 1A ETC7A-2 Loudspeaker ETC7A-3 Analog Amperemeter ETC7A-4 LDR - 2 pcs ETC7A-5 LED - 2 pcs ETC7A-6 Standard Proto Board 20 x 20 cm ETC7A-7 Variable Resistor, 100k Ohm ETC7A-8 Switch - 4 pcs ETC7A-9 Digital Multimeter ETC7A-10 Library Component standart Op-Amp Trainer ETC7A-11 Signal Generator Power 220VAC Data teknis: Dimensi : 450 x 300 x 150mm	G-30	Rp 17.600.000
25	CNC Retrofit Milling 7045 with PC base controller		G-25	Rp 196.020.000	31	Digital Trainer (Stand)	Modul ETC04A-1 Power Supply, input 220VAC, output 5V, 2A Modul ETC04A-2 AND Gate Dual Input, 4 logic Modul ETC04A-3 AND Gate Quad Input, 2 logic Modul ETC04A-4 OR Gate Dual Input, 4 logic Modul ETC04A-5 NOT Gate, 6 logic Modul ETC04A-6 NOR Gate Dual Input, 4 logic Modul ETC04A-7 NAND Gate Dual Input, 4 logic Modul ETC04A-8 NAND Gate Quad Input, 2 logic Modul ETC04A-9 XOR Gate Dual Input, 4 logic Modul ETC04A-10 XNOR Gate Dual Input, 4 logic Modul ETC04A-11 D Flip-flop, 2 logic Modul ETC04A-12 RS Flip-flop, 2 logic Modul ETC04A-13 JK Flip-flop, 2 logic Modul ETC04A-14 Multiplexer 4 bit, input 4 bit Modul ETC04A-15 Demultiplexer 8 Bit, input 8 bit Modul ETC04A-16 Asynchronous Binary Counter, 4bit Modul ETC04A-17 Asynchronous BCD Counter, 4bit Modul ETC04A-18 Asynchronous UP/DOWN Counter, 4bit, Preset Modul ETC04A-19 BCD To 7 segment, input BCD 4 bit, out 7 segmet Modul ETC04A-20 Full Adder, input 4 bit, output 4 bit Modul ETC04A-21 Comparator, input 4 bit Modul ETC04A-22 Switch, 8 switch input Modul ETC04A-23 Pulse generator, single shoot/continuous model Modul ETC04A-24 Socket IC Power 220VAC Dimensi: (PxLxT: 1000 x 300 x 1100 mm)	G-31	Rp 28.600.000
26	CNC Retrofit Mini Lathe with Industrial controller		G-26	Rp 201.960.000	32	Hydraulic Trainer (Standard)	Hydraulic power unit Double acting cylinder with 2 limit switch 4/3 Way double solenoid valve 1pcs Relief valve Check valve Pressure distributor Return distributor Pressure gauge Panel control Specification: - Module board : Acrylic full colors printing - Frame : Besi hollow 40x40 - Dimension : 120x40x150 centimeter	G-32	Rp 63.800.000

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33	Conveyor application Trainer (Electro Pneumatik)	Belt Conveyor Proximity Sensor Photo Sensor Switches Three Phase Motor - Conveyor : Aluminium profile, PVC Belt - Module board : Acrylic 4mm, full colors printing - Connectors : Standard safety banana plug - Accessories : Jumper cable, Power Cable - Dimension : 42x30x25 centimeter (WxLxH) *Note : Inverter brand and model can be customized by order.	G-33	Rp 46.420.000	39	PABX-003	PABX, IP Full, Kapasitas 2 CO & 20 IP Ext IP Phone (3) Fixed Wireless Terminal Media Kerja, Knock down : > Atas, Triplek Cat, Dimensi : > Bawah, Besi Cat, Dimensi : - Wireless N Router, 4 Port; 10/100 Mbps, WLAN - Toolset : Standard - Lembar kerja : 1 Bundel; SMK/Poltek/University - Material Support : 1 Set - Training Operational & Maintenance : 1 Orang	G-39	Rp 42.981.400
34	Fundamental And Installation Trainer	1 Modul LTC 2-1 NFB, max 40A, 220VAC 1 Modul LTC 2-2 ELCB 1 fasa, 220VAC/25A, trip 0.03A 1 Modul LTC 2-3 ELCB 3 fasa, 220VAC/30A trip 0.03A 1 Modul LTC 2-4 MCB 1 fasa 220VAC/6A 1 Modul LTC 2-5 MCB 3 fasa 220VAC/10A 1 Modul LTC 2-6 Contactor, 220VAC, max 16A, 4 NO 3 Modul LTC 2-7 Supply contactor, 220VAC, max 16A, 5 NO/2 NC 1 Modul LTC 2-8 Timer, 5 mode, max 5A, 220V coil, 8 pin model 2 Modul LTC 2-9 Push button NO/NC, max 5A, warna merah dan hijau 1 Modul LTC 2-10 Change switch, max 5A 1 Modul LTC 2-11 Cross switch, max 5A 1 Modul LTC 2-12 Series switch, max 5A 2 Modul LTC 2-13 Single switch, max 5A 1 Modul LTC 2-14 Stop contact, Inbow, 3 kawat 1 Modul LTC 2-15 Socket lamp left, Starter 1 Modul LTC 2-16 Socket lamp right 1 Modul LTC 2-17 Ballast 20W 1 Modul LTC 2-18 Fitting lamp, 2 out bow 1 Modul LTC 2-19 Voltmeter AC, max 500V 1 Modul LTC 2-20 Amperemeter AC, max 5A 1 Modul LTC 2-21 Thermo relay 3 fasa max 45A, Output 1NO/1NC 1 Modul LTC 2-22 Indicator lamp 220 VAC, merah, kuning, hijau 1 Modul LTC 2-23 Selector switch, max 10A 1 Modul LTC 2-24 Motor listrik: 3 fasa, persen Hp, custom pulley 1 Modul LTC 2-25 Motor listrik: 1 fasa, 1/4 Hp, custom pulley Data teknis: Dimensi: 1000 x 500 x 1100 mm Aksesoris: - Stackable plug with cage springs - 3 phase connector plug - LampuPijar40Watt - LampuTL 18Watt - Buku Modul/CD	G-34	Rp 45.870.000	40	Body Electrical Trainer (Car)	Horn Relays Head Lamps Fog dan Sign Lamps Main Switch Flasher Indicator Lamps Ignition Switch Brake dan Horn Switches Police Licence Lamp Interior Lamp Reverse/Fog/Stop Sign Lamps Battery (Optional) Fuse Box Specification: Module board : Acrylic 4mm, full colors printing - Connectors : Standard safety banana plug - Frame : Aluminum profile, hollow 40x40 - Accessories : Jumper cable, power cable, air hose, fittings, air compressors(optional) - Dimension : 110x30x105 centimeter (WxLxH)	G-40	Rp 18.150.000
35	Motor Control Trainer	3 Modul LTC-3-1 Contactor 220 VAC, max 25A, 5NO/2NC 2 Modul LTC-3-2 Push button NO/NC, max 5A, 2 merah, 2 hijau 1 Modul LTC-3-3 Timer 220VAC H3CR, Timer On/Off delay, Output 2 NO/NC 1 Modul LTC-3-4 Indicator lamp 220 VAC, 1 merah, 1 kuning, 1 hijau 1 Modul LTC-3-5 MCB 3 fasa, max 10A, soket 3 fasa 4 pole dengan ground 1 Modul LTC-3-6 Thermo relay, max 16A, Output 1NO/1NC 1 Modul LTC-3-7 Change over, max 5A 1 Modul LTC-3-8 Emergency Button, max 5A 1 Modul LTC-3-9 ELCB 3 fasa, max 40A 1 Modul LTC-3-10 MCB 1 fasa, max 6A 1 Modul LTC-3-11 MCB 3 fasa, max 6A Data teknis: Dimensi: 1000 x 400 x 760 mm	G-35	Rp 29.700.000	41	Car Audio System Trainer	1. Tape: -VCD/DVD/MP3/MP4/ESP -Radio FM, Radio AM High Power Output 4 x 60W -USB/SD MMC Card Slot, Remote Control -RCA Audio Output 2. Power 180W 3. 4 buah Speaker - Front Left loud speaker - Front Right loud speaker - Three way rear left loud speaker - Three way rear Right loud speaker 4. Kunci kontak 5. Automatic Antenne 6. Modul Power Supply 30A - 220V/12 VDC Data Teknis Panjang: 1000 mm Lebar: 600 mm Tinggi: 800 mm Konstruksi kerangka wood panel dilapisi karpet standar C101 black dan Papan Pertinak 4mm finising cetak sablon huruf atau simbol.	G-41	Rp 18.150.000
36	Stepper Motor Trainer	PLC, Switching Power Supply, Sensor Part, Stepper drive module, Stepper motors and other components. Training sets using a special mold profiles, anodized coating processing, scientific structure, the bottom adjuster, height adjustable, the ensure a smooth degree, bracket aluminum structure (surface electrophoresis). Manual Book, Experiment Module	G-36	Rp 41.800.000	42	Car Audio Video Trainer	1. Tape: -VCD/DVD/MP3/MP4/ESP -Radio FM, Radio AM High Power Output 4 x 60W -USB/SD MMC Card Slot, Remote Control -RCA Audio Output 2. Power 180W 3. 4 buah Speaker - Front Left loud speaker - Front Right loud speaker - Three way rear left loud speaker - Three way rear Right loud speaker 4. Kunci kontak 5. Automatic Antenne 6. Modul Power Supply 30A - 220V/12 VDC Data Teknis Panjang: 1000 mm Lebar: 600 mm Tinggi: 800 mm Konstruksi kerangka wood panel dilapisi karpet standar C101 black dan Papan Pertinak 4mm finising cetak sablon huruf atau simbol.	G-42	Rp 22.880.000
37	PABX-001	Spesifikasi Content : - PABX, Analog, Kapasitas 3 CO & 8 Ext - Key Telephone - Single Line Telephone (2) - Fixed Wireless Terminal - Media Kerja, Knock down : > Atas, Triplek Cat, Dimensi : > Bawah, Besi Cat, Dimensi : - Toolset : Standard - Lembar kerja : 1 Bundel; SMK/Poltek/University - Material Support : 1 Set - Training Operational & Maintenance : 1 Orang	G-37	Rp 23.522.400	43	Power Steering Training	Spesifikasi - Original automobile part of a typical small passenger vehicle engine 4A-E -Kornpl dengan suspensi depan, -Model rack and pinion PS. -Steering columb -Steering wheel - Reservoir tank and hose - Motor 1Phase 220V 1/2 PK -MC -Power Switch -Cabel power -Recondition system Dimensi Panjang:1200 mm Lebar:800 mm Tinggi:1200 mm	G-43	Rp 8.800.000
38	PABX-002	PABX, IP Hybrid, Kapasitas 4 CO & 8 Ext IP Phone Single Line Telephone (2) Fixed Wireless Terminal Media Kerja, Knock down : > Atas, Triplek Cat, Dimensi : > Bawah, Besi Cat, Dimensi : - Switch, 8 Port, 10/100 Mbps - Toolset : Standard - Lembar kerja : 1 Bundel; SMK/Poltek/University - Material Support : 1 Set - Training Operational & Maintenance : 1 Orang	G-38	Rp 33.488.400	44	Gasoline Engine Trainer VVTI Live	Engine 1NZ-FE/K3, 4 cylinder in line Combination meter original for automobile Combination meter with plexy glass 5 mm, printing 4 colour design. Full tank capacity 5-10 litre Battery 12V/60 Ah New cooling system (fan belt,fan Radiator, hose upper and lower, reservoir) Radiator guar Ram, Now Air filter New Ignition System Fly wheel Guard Semua part Recondition Data Teknis Panjang:1200 mm Lebar :800 mm Tinggi:1200 mm	G-44	Rp 26.840.000

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45	Engine Motor Cycle Sectioned	Engine 4 stroke 4 cylinder 100 - 110 cc Carburator system Education Cutting standard Recondition system Data Teknis Panjang:600 mm Lebar:400 mm Tinggi:1000 mm	G-45	Rp 9.900.000	50	Engine Stand EFI Type D 7 K/E	Spesifikasi - Engine 7K, year 2000 up/recondisi Data Teknis - Piston displacement 1800cc - Ignition GDI - Fuel transfer EFI - ECU Original 7K-E - Radiator new componen -Fuel Tank 10ltr - Complete with radiator protector, dan 2 free.flywheel, protector.Radiator reservoir - New Battery 12V/45 AH Panjang: 1200 mm Lebar: 800 mm Tinggi: 1200 mm	G-50	Rp 33.440.000
46	Engine Stand Diesel EFI	Mesin 1KZ-TE2500-2800cc Recondition-Ecu original 4 silinder inline-SVAlve OHC Combustion chamber swirl type- Manifold intake cross flow type Pompa injection electronic type VE (dilengkapi dengan electronic control, spill control valve, timing control valve. fuel temp, sensor, engine speed sensor dan correction resistor), Injector nozzle type throttle -Panel Instrument: Instrument cluster Rpen Odometer, oil lamp, CHG lamp, DTC lamp. Indicator fuel, indicator temperature, -Dilengkapi dengan kunci kontak, check connector DLC -System pendingin Radiator fan radiator type kopling fluida, Baterai 60 Ah, Fuel fire, tangki solar kapasitas 10 liter Data Teknis Panjang: 1200 mm Lebar:800 mm Tinggi: 1000 mm	G-46	Rp 52.800.000	51	Gasoline Engine Trainer Toyota With Gas	Mesin SK 1500 cc karburator/Recondisi 4 silinder sebaris dilengkapi dengan radiator DataTeknis Tangki bensin Ampere meter Lampu indikator Kontrol oli CTM Temperatur air gas Converter bahan bakar dan instalasi gas New Battery 12V/45 AH Kunci kontak Panjang: 1200 mm Lebar: 800 mm Tinggi: 1200 mm	G-51	Rp 48.730.000
47	Simulator Engine EFI Type-LD	Modul Simbol Battery, Ignition Switch, Fused sensor TPS, THW, THE, PIM, KMK, ISC, OX, ECU 5 AFE, Speed Control Autotech, Motor DC 12 V, Distributor JIA, Relay Indicator Lamp, Diagnosis Box, 4 nozzle Injector, Fuel Pump, Fuel Tank 5L, New Sparkplug, High voltage cable, RPM Meter. -Modul Symbol Part and Wiring Print By Computer Sparation Sablon -Battery 12V 45AH, -Box Flexyglass Acrylic 5mm -Banana plug connector - Normaly Operation, -Recondition part Data Teknis Panjang:1200 mm Lebar:600 mm Tinggi:1600 mm Kerangka standard Hollow 40 x 40 mm, Papan pertinak 4 mm cat standard CT01 putih,cetak sablon dan PVC 2 mm, frame terdiri dari judul, simbol dan komponen DenganCaster 3" nylon type 2 lock dan 2 free.	G-47	Rp 24.200.000	52	Electrical Simulator Engine EFI Type DLI	Modul symbol battery, Ignition switch, Fuses, sensor TPS, THW, THE, PIM, KMK, ISC, OX,CMP sensor,ECU HD En. Autotech Electronic Control speed motor Motor DC 12V Relays Indikator lamp Nozols Fuel Pump Fuel Tank 5 Litre New Spark plug High voltage coil Rpm meter Recondition system Data Teknis Panjang:1200 mm Lebar:600 mm Tinggi:1600 mm Plexy glassli acrylic Panel board 5mm.Banana plug and connector jump cable. blue colour Frame iron hollow 20x40 kombinasi 40x40mm	G-52	Rp 25.300.000
48	Engine Transmission Sectioned Trainer	Engine 1500cc Recondition, transmisi model Papan panel: Pertinak 4mm Finising cat, cetak sablon Kerangka terbuat dari pipa gas 1,5 Cat duco standard CT01 bin muda, dengan kaki roda 4 nylon 2 lock Dan 2 free Data Teknis Panjang:2100 mm Lebar:750 mm Tinggi:1400 mm	G-48	Rp 23.100.000	53	Gasoline Engine Sectioned	Gasoline 4 Tak 4 Cylinder 1000-1500 cc Carburator system Education Cutting Standard Motor 1P1220 VAC Recondition system Data Teknis Panjang:800mm Lebar:700mm Tinggi:1200 mm	G-53	Rp 30.470.000
49	Engine Diesel Sectioned	Engine 2400CC Diesel with Transmission model Motor 1P1220V with reducer gear Papan panel: Pertinak 4 mm, cat putih Tombol start/stop, Cetak sablon Kerangka terbuat dari pipa gas 1.5" Cat duco Standard CT01 biru muda, dengan kaki roda 4 nylon 2 lock dan 2 free. Semua part recondisi dengan baik. Dimensi Panjang:900 mm Lebar:800 mm Tinggi:1200 mm	G-49	Rp 29.370.000	54	Diesel Engine Trainer Live	Engine L300 250000, 4 cylinder in line (Recondition) Combination meter original for automobile Combination meter with plexy last 5 mm, printing 4 colour design Full tank capacity 5 10 litre Battery 12V/ 60 AB Now cooling system (fan belt tan radiator hose upper and lower reservoir) Radiator guari Ram New Air filter New Ignition Stem (Cable High Voltage Spark plug ignition switch) -Reduction Starter System -Diagnosis box for Sonne -Fly wheel Guard Data Teknis Panjang:1200 mm Lebar:800 mm Tinggi:1000 mm Kerangka terbuat dari pipa hollow 40x40mm cat duco standard CT01 biru muda, dengan kak roda 4 dari nylon 2 lock dan 2 fuesis. Papan panel terbuat dari Pertinak 4 mm, ishing cat standard CT01 putih dan cetak sablon	G-54	Rp 38.720.000

CATATAN :

1. Harga sudah termasuk PPN/PPH
2. Harga tidak termasuk ongkos kirim