*Alat Peraga Pendidikan *Percetakan *Penerbit *Komputer *Laboratorium

RENCANA ANGGARAN BIAYA (RAB) KEAHLIAN TEKNIK PEMESINAN

No.	Kode Juknis	Jenis Barang	Rasio		Harga	Jumlah
1	2.3	CNC Trainer	2	Unit	36,015,000	72,030,000
2	2.7	Mesin Gerinda Alat Potong	2	Set	45,570,000	91,140,000
3	2.10	Kepala Pembagi	2	Set	19,425,000	38,850,000
4	2.8	Mesin Gerinda Tangan	5	Set	1,596,000	7,980,000
				'		210,000,000

(SPESIFIKASI) KEAHLIAN TEKNIK PEMESINAN

No. Jenis Peralatar	n Deskripsi	Gambar
1. CNC Trainer	Merk / Type : Swansoft / SSCNC Spesifikasi : L. General Characterists Complete package that includes: a) machine simulation teaches the students the setup and operation of CNC machines. b) CNC program simulation and speed debugger teaches programming c) Server module allows the instructor to manage students and tests SSCNC Supports simulation of 2,2.5 and 3 taxs CNC machines The software includes 65 different systems from different manufactures like panue, Mitsubsihi, simens, etc with 119 different operator panel are very detailed to capitate as dose as possible the real work environment. Free updates for life that can be downloaded directly via internet The system can be constormed to include new controls, systems or machines 2. 2. Dand 3 D simulation SSONC supports simulation SSONC supports simulation SSONC supports simulation Realistic direct directions and switch views during simulation in real time Realistic control panel and operator panels Realistic three-dimensional numerical control machine tools and control panelcontrol panel and operators panels Cutter trace simulation Supports multiple monitors Total machining process simulation selecting the workplece select and measure tools select the right operation mode for mechine and cleaning all the alarms Machine simulation includes real components like coolant, sound for machining operations and clipin generations Workplece setting and mounting. Allows to setup zeros and tool offsets and the use of different damping devices Three-dimensional measuring of workplece after it is machine Roughness measurements based on tool cutting parameters Materials library, cliff and insert new materials Database management tools and tools coustomization The turnet can be centifigured for 43 or 12 stations front or earlythe automatic tool changer for the machining center can be setup bioriounlily or vertice after it is machine Roughness measurements based on tool cutting parameters Materials library, cliff and insert new materials Database management tools and tools coust	Swansoft CNC Simulator

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No.	Jenis Peralatan	Deskripsi	Gambar	
		1. User management Students are registred in the SSCNC server by means of a username and passwor from any computer in a local network the instructor can centrally manage, monite 2. Exercises management Add and edit exercises in SSCNC server, Transmit exercise including pictures to e work on the exercise and transmit the answers back 3. Network Monitor SSNC server saves students registration and allows querying and controling logic broadcast screen information to the Students and remotely assists them via remote 4. Examination subsystem Includes question library management, test paper management, the test process management and test results management includes test data management, exam pemit management and test results management Hardware and Sofware requirements Including Desktop PC With specifications Type Grafis Intel HD Graphics Single Channel DDR4 2400 MHz (4Gbx 1) With LCD Monitor 19,5" HD+(1600 x 900) Anti Glare LED Backlit Display Processor onboard 7th Generation Intel Core i3 With Card Reader 4in 1	or and tutor the students lients (students),Students n, logoft and machine operations eview and controlling of the client PC, inagement as well as the examinations,	
2.	Mesin Gerinda Alat Potong	Merk / Type : Gongda / GD-6025Q		
		Spesifikasi:	E0mm	
			50mm 0mm	
		Horizontal Travel of the Operating Table : 3		
		Longitudinal Travel of the Operating Table : 3		1
		7 OHIIII		
		Rotating of wheel head : 3	60°	
			600rpm	790
		Main Motor	ooorpiii	400
		Taper of Spindle		
		The Workbench Size		
		Grinding Wheel Size		
			65kg/185kg	
		Packing Size	03Kg/103Kg	
3.	Kepala Pembagi	Merk / Type: Sier Tools / BSO Spesifikasi: 1. Made of FC30 high strength casting iron.	7	
		 2. 3 pieces indexing plates are included, direct in workpiece to be 2, 3, 4, 6, 8, 12, 24 equal part interchangeable indexing plates, workpiece ca indexed to be 2 to 380 different divisions. 3. Indexing accuracy: 0.01mm. 	Restated with optional chuck man for SCHA.	
		4. Tilt ang <mark>le: 0</mark> -90 degree.		
		5. Ratio: 1:40.(1 turn of the hand crank rotates the		
		6. Horizontal height: 170mm; vertical height: 24	To and	
		7. Chuck size: 100mm 3-jaw chuck; central heig	1	
		8. Mounting base size: 168*90mm		
		9. 100mm central height, sharp end tailstock incl		
		2 x Interchangeable indexing plates		
		1 v Handstook Din with lanks	I I	
		1 x Headstock Pin with locker		
		1 x Talistock		
4.	Mesin Gerinda Tangan	1 x Talistock 1 x Accessories Kit (locking tool & Nuts)		
4.	Mesin Gerinda Tangan	1 x Talistock 1 x Accessories Kit (locking tool & Nuts) Merk / Type: BOSCH / GWS 850 CE Spesifikasi:		
4.	Mesin Gerinda Tangan	1 x Talistock 1 x Accessories Kit (locking tool & Nuts) Merk / Type: BOSCH / GWS 850 CE Spesifikasi: Mains voltage [V]: 230		
4.	Mesin Gerinda Tangan	1 x Talistock 1 x Accessories Kit (locking tool & Nuts) Merk / Type: BOSCH / GWS 850 CE Spesifikasi: Mains voltage [V]: 230 Mains frequency [Hz]: 50		
4.	Mesin Gerinda Tangan	1 x Talistock 1 x Accessories Kit (locking tool & Nuts) Merk / Type: BOSCH / GWS 850 CE Spesifikasi: Mains voltage [V]: 230 Mains frequency [Hz]: 50 Nominal power [W]: 850		
4.	Mesin Gerinda Tangan	1 x Talistock 1 x Accessories Kit (locking tool & Nuts) Merk / Type: BOSCH / GWS 850 CE Spesifikasi: Mains voltage [V]: 230 Mains frequency [Hz]: 50	nl : 22	