TIME AND COST CALCULATION OF ROLLING PLATE CONCAVE PROFILE MACHINE AS LOCKING SYSTEM IN THE CENTRAL AIR-CONDITIONING EQUIPMENT

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Abstract

Number of buildings are still increasing, which mostly use central air-conditioning. While the supporting parts consists of several components, such as :cooling tower, chiller, ducting, AHU (Air Handling Unit), FCU (Fan Coil Unit) and other supporting components.

There’s literal and observational study in analyzing time and cost on manufacturing rolling plate machine. Next step is designing and preparing device on the counting step. Then select ingredients for the manufacture process such as sawing, lathing, freis, drill and weld. Finally, combine and finish device continued with calculating grand costs.

Results obtained from the above, sawing process need 4 hours, drilling process need 1 hour, lathing process need 1.43 hours, freis process need 1.47 hours, weld process need 3.41 hours. For material costs Rp 1.268.500, total cost of the workshop Rp 629.750, total cost of electricity Rp 50.675, unexpected costs Rp 78.660, so the total cost Rp 2.027.585.

Key word : Rolling Plate Machine, BJLS Plate, time, cost.