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Paper Title: Simplified MRP for Bench Vice Through Production Base Education (PBE) in POLMAN Bandung

Abstract

Bandung State Polytechnic for Manufacturing (POLMAN), as a high education vocational institution, implements certain portion of practical program in its workshop that aimed to build students skill competencies. For those, product media are created from structured exercises and combined with external inquiries from collaboration with industrial parties, through a system called Production Based Education (PBE). Completing the 'job shop' products that students are doing daily, Bench Vice as one of standard product in Polman is treated as 'batch product' due to its appropriated characteristic. The idea of Material Requirements Planning (MRP) method for Bench Vice handling is implemented in order to get most beneficial either for students, lecturers and institution. Since the common MRP and other control functions influence each other related with capacity and schedule, simplified MRP for Bench Vice is developed as a learning media for all involved parties in organization.

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