

Peningkatan efektifitas penanganan petikemas impor di Terminal Petikemas Koja dengan penerapan sistem dedicated rubber tyred gantry crane = increasing the effectiveness of the handling imported containers in koja container Terminal with the Implementation of a rubber tyred gantry crane dedycated system

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Abstrak

Saat ini TPK Koja pada proses penanganan petikemas impor masih menerapkan sistem konvensional atau un-dedicated pada pergerakan RTG nya. Sistem yang ada saat ini memiliki banyak kelemahan diantaranya meningkatkan resiko terjadinya kerusakan pada alat dan juga mengurangi produktivitas penanganan petikemas impor. Pada skripsi ini, dilakukan penelitian terhadap permasalahan tersebut dan mencoba memberikan solusi lewat penerapan sistem dedicated rubber tyred gantry crane (RTG). Setelah dilakukan analisa data, maka didapatkan beberapa manfaat dari penerapan sistem dedicated RTG ini, diantaranya mengurangi resiko kerusakan pada RTG dengan pemerataan beban kerja dan juga mampu meningkatkan produktivitas penanganan petikemas impor khususnya proses delivery sebesar 11%.

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Right now TPK Koja still use conventional system or un-dedicated RTG movement in the process of handling imported containers. The system that being use until now have many weakness, such as increasing risk of damaging equipment, and decreasing of productivity of handling imported containers. In this theses, we do research to that case and try to give some solution by implementation of dedicated rubber tyred gantry crane (RTG) system. After doing a data analysis, then we can collect some benefit from the implementation of dedicated RTG syndrome. Some of benefits are decreasing in risk of damaged of RTG with the equalization workload and also can increased the productivity of handling imported containers, especially delivery process as much as 11 %.