

RINGKASAN/ABSTRAK

Dwi Alfian, Afrianto. 2024. Pemasangan *Driver Desk* Kabin 1 Kereta TMC Hybrid
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Teknik Listrik, Jurusan Teknik, Politeknik Negeri Madiun. Pembimbing : (I),
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Kata Kunci : *Driver Desk, Marking Kabel, Genset*

Kereta TMC dikendalikan dari kabin masinis yang terdiri dari kabin aktif dan kabin pasif. Pada panel *driver desk* kabin 1 meliputi *brake* (pengereman), monitoring *indicator brake*, *genset switch*, *room lamp*, *lavatory lamp*, *fan motor*, *emergency lamp*, HMI OBCU, HMI TCMS, *master control*, *emergency breake*, *parking breake* dan sebagainya. Sistem kerja tersebut *disupply* oleh sumber genset dan baterai. *Driver desk* bisa dikatakan pengoperasi dan pengontrol kerana komponen komponen di dalam kesatuan panel 1 sampai 9 yang terhubung dari distribusi panel sebagai pembagi arus menuju relay panel sebagai pengendali, selanjunya ke *switch* panel dan terakhir ke beban. Proyek akhir ini akan membahas pemasangan dari panel *driver desk* yang terdapat pada Kereta *Hybrid* TMC PPI buatan PT. Rekindo Global Jasa Madiun.

SUMMARY/ABSTRACT

Dwi Alfian, Afrianto. 2024. *Insttallation Of Cabin 1 Desk Driver On TMC PPI MADIUN Hybrid Train At PT. Rekindo Global Services. Final Project, Electrical Engineering Study Program, State Polytechnic of Madiun. Academic Supervisors : (I), R. Jasa Kusumo Haryo, S.T., M.T., (II) Hanifah Nur Kumala Ningrum, S.T., M.T.*

Keywords: *Driver Desk, Marking Cable, Generator*

TMC trains are controlled from the driver's cab which consists of an active cabin and a passive cabin. The driver desk panel of cabin 1 includes brake (braking), monitoring indicator brake, generator switch, room lamp, lavatory lamp, fan motor, emergency lamp, HMI OBCU, HMI TCMS, master control, emergency breake, parking breake and so on. The working system is supplied by a generator and battery source. The desk driver can be said to be an operator and controller because the component components in the unit of panels 1 to 9 are connected from the panel distribution as a current divider to the panel relay as a controller, then to the panel switch and finally to the load. This final project will discuss the installation of the driver desk panel contained in the TMC PPI Hybrid Train made by PT. Rekindo Global Services Madiun. Keywords : Driver Desk, cable marking, generator set.