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SOFTWARE DEVELOPMENT OF LAPAN-A2 AND LAPAN-A3 SATELLITE'S OPERATORS
SCHEDULING

Abstract

LAPAN-A2 and LAPAN-A3 satellite has various operation missions that are earth observation, maritime area monitoring, also space science missions. Mission Control Center at Satellite Technology Center LAPAN entrust several satellite operators to make sure the satellite missions executed properly and correctly. For this reason, the scheduling of LAPAN-A2 and LAPAN-A3 satellite's operators is made monthly. In order to make scheduling easier, we have made software development of LAPAN-A2 and LAPAN-A3 satellite operator scheduling. The operators of LAPAN-A2 and LAPAN-A3 satellites consists of a Supervisor (SPV), Mission Planner (MPL), Co-Supervisor (CSPV), Operator (OPT), and Assistant Operator (AOP), with a scheduling consisting of two shifts. This scheduling software is designed by the genetic algorithm method. The results of the implementation of this scheduling software are expected to schedule operators according to their duties.