DESIGN OF NAVIGATION SYSTEM ON SHIP
(MCST-1 SHIP AUTOPILOT) TO SUPPORT
AUTOPilot SYSTEM

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Abstract
System of Navigasi represent top-drawer shares at ship, functioning navigasi to inform direction, ship position. In this final duty, system of navigasi this is compiled with a few component for example ultrasonic censor as pendeteksi of barrier in front/ahead of ship, compass module as signpost of wind eye, module of gps as determinant of ship position or location pursuant to longitudinal and transversal. Core of from system of navigasi this is lead ship till to target of pursuant to compass module as signpost. At examination of ultrasonic censor of mean mount accuration at censor equal to 0.94131. At examination of compass, compass have worked better with mean error equal to 0.312 % from calibrating. Later; Then from examination of gps, please get that ultrasonic censor have earned to detect barrier better, so that can control rudder to turn or refrain from as according to setting poin which have been determined. Time to reach to set attainment moment point set point instruct equal to 14 second.

Key words: Navigation, GPS, Compass, Autopilot, Ship, MCST1