

**ABSTRAK**

Pemotongan tagihan oleh customer disebabkan perusahaan tidak dapat memenuhi ketetapan yang sudah disepakati pada kontrak perjajian yang disebut dengan *reduction scheme*. Pengurangan terjadi setiap bulan pada masa penagihan, sehingga pendapatan perusahaan menjadi tidak optimal. Penelitian ini bertujuan untuk membuat evaluasi atas desain *operational information system* sebagai alat monitoring kapal dengan menggunakan expert sistem *Automatic Identification System (AIS)*. Metodologi penelitian yang digunakan adalah penelitian kualitatif eksploratori. Penelitian ini menghasilkan rancangan *automatic identification system* atas aktifitas kapal secara realtime. Proses ditampilkan *data flow diagram*, *flowchart*, *entity relationship diagram*, serta contoh laporan *dailylog* dan *timesheet*.

**Kata Kunci :** *Reduction Sheme*, sewa kapal, *operational information system*,  
*Automatic Identification System*

**ABSTRACT**

*Reduction scheme is a deduction of bills because there are activities that are not in accordance with the contract. The company's income is not optimal because there is a reduction scheme for every period This study aims to make an evaluation of the design of operational information system as a vessel monitoring tool using expert system Automatic Identification System (AIS). The research methodology used is qualitative exploratory research. This research resulted in the design of automatic identification systems for ship activities in real time. The process displayed data flow diagrams, flowcharts, entity relationship diagrams, as well as examples of dailylog reports and timesheet.*

***Keywords: Reduction Scheme, Time Charter, Operational Information System, Automatic Identification System***