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GIS BASED ENTROPY-ELECTRE II FOR PLANNING SITING MAPPING
HYDROGRAPHY-OCEANOGRAPHY IN REGION ALKI I(Ahmedi¹),Heri Ebtanta²),
Budisantoso W.³)DosenSekolah Tinggi Teknologi Angkatan Laut^{1,3})Mahasiswa Sekolah
Tinggi Teknologi Angkatan Laut²)AbstractNavigational chartis a dynamic map that
should always be updated to ensure safety in navigation at sea. Indonesia's vast
territorial waters is a challenge for policy makers to be able to prioritize areas that must
be mapped / updated.ELECTRE II method iswidely recognized can be used to analyze a
policy that involves both qualitative and quantitative criteria.

This method involves the manufacture preceded by a directed graph that represents
outranking relationship with Threshold determine concordance and discordance.
Entropy methods are used to provide the weighting of criteria. This method was chosen
because it can accommodate withsome decision-makers or experts. The incorporation
of multi-criteria method with GIS is very useful for solving problems related to
geospatial.

Sensitivity analysis is done by changing some threshold value. This research was
conducted in waters ALKI I.Keywords: Entropy, ELECTRE II, GIS, MCDM.

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