

# Analisis penentuan lokasi gudang bantuan korban bencana dengan metode analytical hierarchy process (AHP) (studi kasus: banjir Jakarta Timur) = Analysis of relief warehouse facility placement with analytical hierarchy process (AHP) method (case study: East Jakarta floods)

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## Abstrak

### [<b>ABSTRAK</b><br>

Logistik bantuan Relief Logistics memiliki peran yang sangat penting dalam kesuksesan operasi penanggulangan bencana Salah satu cara untuk meningkatkan kelancaran aktivitas logistik bencana adalah dengan penempatan lokasi fasilitas logistik gudang penyimpanan bantuan bencana yang dapat menjangkau korban bencana dengan terlebih dahulu mengidentifikasi kriteria kriteria yang menjadi pertimbangan penentuan lokasi Dalam tesis ini dilakukan proses pemilihan alternatif lokasi untuk fasilitas gudang logistik bencana yang dapat melayani korban banjir di wilayah Jakarta Timur Metode yang digunakan adalah Analytical Hierarchy Process yang merupakan metode pengambilan keputusan dengan menyederhanakan problem yang kompleks menjadi susunan hirarki dengan bantuan perangkat lunak Expert Choice Hasil analisis menunjukkan bahwa tingkat kerentanan suatu wilayah terhadap bencana menjadi skala prioritas dalam penentuan lokasi gudang logistik bencana dan yang menjadi lokasi prioritas adalah Kelurahan Cipinang Besar Utara.

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### <b>ABSTRACT</b><br>

Relief logistics has a critical role in the success of disaster relief operations One way to improve the smoothness of relief logistics activities is the strategic placement of storage facilities to make sure that it reaches the disaster victims by first identifying a set of criteria to be considered in determining a location In this thesis the process of selecting alternative locations for storage facilities that can serve victims of flooding in East Jakarta is simulated The method used is Analytical Hierarchy Process which is a method of decision making by simplifying a complex problem into a hierarchical structure with the help of Expert Choice software The analysis showed that the level of disaster vulnerability of an area became a priority in determining the location for relief logistics storage facilities and the prioritized location is Cipinang Besar Utara village. , Relief logistics has a critical role in the success of disaster relief operations One way to improve the smoothness of relief logistics activities is the strategic placement of storage facilities to make sure that it reaches the disaster victims by first identifying a set of criteria to be considered in determining a location In this thesis the process of selecting alternative locations for storage facilities that can serve victims of flooding in East Jakarta is simulated The method used is Analytical Hierarchy Process which is a method of decision making by simplifying a complex problem into a hierarchical structure with the help of Expert Choice software The analysis showed that the level of disaster vulnerability of an area became a priority in determining the location for relief logistics storage facilities and the prioritized location is Cipinang Besar Utara village. ]