

In this file, we provide the locations of the demand points and disaster response personnel bases that are used in the computational experiments of Tarhan et al. (2023). The demand point locations were provided by the Indonesian National Board for Disaster Management (BNPB), their support in providing input and data regarding Disaster Response Operations in Indonesia is gratefully acknowledged. The data on the location of demand points and the location of disaster response personnel bases are provided under CC BY License.

Locations of demand points: The following list shows the id and the coordinates of each demand point.

0,0,-8.312128891,116.6634475
1,1,-8.296667131,116.6237895
2,2,-8.303690971,116.6287988
3,3,-8.350814451,116.5439054
4,4,-8.388162821,116.544194
5,5,-8.388864297,116.5445924
6,6,-8.384553968,116.5426953
7,7,-8.358901133,116.5301424,
8,8,-8.357903956,116.5202892
9,9,-8.5992272,116.5607674
10,10,-8.569848186,116.6409067
11,11,-8.574387346,116.6218082
12,12,-8.575869952,116.635052
13,13,-8.568466203,116.6254279,
14,14,-8.569400795,116.6277029
15,15,-8.55715109,116.6286753
16,16,-8.614070477,116.5405071
17,17,-8.35527511,116.1819659
18,18,-8.652282031,116.5201204
19,19,-8.650427826,116.5291409
20,20,-8.647072575,116.521626
21,21,-8.562596487,116.3926002
22,22,-8.632308811,116.5154437
23,23,-8.592276275,116.4192163

24,24,-8.619134086,116.4802546

25,25,-8.588129533,116.4789241

Locations of disaster response personnel: The following list shows the id and the coordinates of each disaster response personnel base.

0,-8.57735247,116.1115222

1,-8.577427444,116.0833605

2,-8.64932241,116.5276752

3,-8.635129124,116.4962601

References

Tarhan, I., Zografos, K.G., Sutanto, J. and Kheiri, A. (2023). A quadrant shrinking heuristic for solving the dynamic multi-objective disaster response personnel routing and scheduling problem. *Submitted for publication*.