

## The Study of Mangrove Forests Structure in Gabrik, Eastren Jask and Western Jask Protected Area (Hormozgan Province)

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### Abstract

To determine the growth structure in Gabrik, Eastern Jask and Western Jask protected areas in Jask city, East Hormozgan and northern Gulf of Oman, sampling was carried out by linear transects method using 100 m<sup>2</sup> pieces, distributing randomly- systematic so as to measure tree growth parameters and random distribution of micro plats 1 m<sup>2</sup> in as well as determination of seedling, aerial roots and shed leaves. 6 transects of 5946 long have been studied. The average of tree density was 1353.03 per hectare and average height of trees was 283.77 cm, respectively. The results showed mangrove trees in the area are taller than other growth places of mangrove in Hormozgan. Statistical studies showed that the three growth places of Gabrik, Eastern Jask and Western Jask did not share the same parameters such as tree height, crown hight, crown diameter, area of crown, trunk diameter, number of trees, cover percentage and leaves area. All of the above said parameters were not homogenous. But there was no significant difference in the aerial roots, height of aerial roots, leaves number, number of seedling and height of seedling. Therefore, the region was determined as homogenous. Also due to the habitat structure, Eastern Jask, Gabrik reconstituted zone and the Western Jask were determined as grade 2 protection zones.

Keywords: Mangrove forest, Forest structure, Gabrik, Eastern Jask, Western Jask

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