

## Biodiversity Record: The sea-urchin, *Chaetodiadema granulatum*, at Kusu Island

Tay Wei Lin Natasha\* & Tan Heok Hui

Lee Kong Chian Natural History Museum, National University of Singapore, Singapore 117377;

Email: [nata.tay@nus.edu.sg](mailto:nata.tay@nus.edu.sg) (\*corresponding author)

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**Subject:** *Chaetodiadema granulatum* (Echinodermata: Echinoidea: Diadematoida: Diadematidae).

**Subject identified by:** Tan Heok Hui.

**Location, date and time:** Singapore Strait, Kusu Island; 13 April 2025; around 1304 hrs.

**Habitat:** Marine. Coral reef at depth of approximately 5 m.

**Observer:** Tay Wei Lin Natasha.

**Observation:** An individual of approximately 9–12 cm test diameter test length was observed on the seafloor (Fig. 1).

**Remarks:** *Chaetodiadema granulatum* appears to be an uncommon sea-urchin in Singapore. It is listed as an endangered species in the third edition of the Singapore Red Data Book (Iesa et al., 2024). Last year, a smaller individual with pale colouration was found at Saint John's Island in water only 5 cm deep on an intertidal shore (Su, 2024).

**Acknowledgement:** This sighting was recorded during a dive conducted as part of the Comprehensive Marine Biodiversity Survey 2 funded by National Parks Board and the National University of Singapore.

### Literature cited:

Iesa I, Lane DJW, Wong HPS & Tay TS (2024) Echinodermata – sea stars, feather stars, brittle stars, sea cucumbers and sea urchins, In: Davison GWH, Gan JWM, Huang D, Hwang WS, Lum SKY & Yeo DCJ (eds.) The Singapore Red Data Book. Red Lists of Singapore Biodiversity. Third Edition. National Parks Board, Singapore, pp. 320–335.

Su YL (2024) Biodiversity Record: The sea-urchin, *Chaetodiadema granulatum*, at Saint John's Island. Nature in Singapore, 17: e2024124, DOI: 10.26107/NIS-2024-0124



Fig. 1. In-situ dorsal view of *Chaetodiadema granulatum* on the sea bed (Photograph: Tay Wei Lin Natasha).