

## Asia Pacific Coral Reef Symposium

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### ABSTRACTS SUBMISSION FORM

#### Abstract

RECRUITMENT OF SCLERACTINIAN CORALS IN MU KOH CHANG, GULF OF THAILAND

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Abundance of juvenile coral colony (< 5 cm. in diameter) was studied at five coral reef sites, i.e., Koh Chang (Ao Sapparot), Koh Yuak, Koh Mapring, Koh Lao Klang and Koh Yak, and two coral communities on pinnacles, i.e., Hin Lukbat and Hin Kraduang, in Mu Koh Chang, Gulf of Thailand by using belt transect method. Species diversity of juvenile coral colony was higher at the coral communities on pinnacles than at the coral reef sites. The highest density of juvenile coral colony was 5.25 colonies/m<sup>2</sup> at Hin Kraduang while the lowest was 0.68 colony/m<sup>2</sup> at Koh Yak. The dominant species of juvenile corals were different among the study sites. Juvenile colony of *Porites lutea* was the most dominant at Koh Mapring, Koh Yak, Koh Lao Klang and Koh Yuak while *Lithophyllon undulatum*, *Pocillopora damicornis* and *Favia* sp. were dominant at Hin Kraduang, Hin Lukbat and Koh Chang (Ao Sapparot), respectively. The present study provides basic data for further monitoring the health of coral reefs.

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