

# **BASIC KNOWLEDGE IN MARINE SCIENCES**

Edited by

Normawaty Mohammd-Noor



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### **Introduction**

Coral recruitment is important in reef recovery. This process can play vital role in shaping the overall dynamic and spatio-temporal patchiness in coral assemblages. Moreover, the pattern and magnitude of recruitment strongly influences option for conservation and management (Dunstan & Johnson, 1998). The success of recolonization is dependent on larval supply, suitability of substrate and as well as competition and predation (Pearson, 1981). Recruitment can play a critical role in the resilience of coral populations through the number of individuals and different species that repopulate a reef. Its importance for community dynamics and coral populations varies by species, habitat and reef location. This phenomenon is the product of several interactions and processes that may be both physico-chemical and biological in nature. These include spawning, fertilization, planktonic larval development, settling and metamorphosis, the hydrodynamics and chemistry of ambient waters, as well as the temperature and wave energy in a given area or time. The relative significance and interaction of these factors will ultimately produce the recruited coral community in an area (Done, 1992). All of these processes affecting the magnitude of recruitment into a system can influence the spatial patterns of coral reef species communities and assemblages.

### **Methodology**

### **List of Equipment/Apparatus**