## **DAFTAR SINGKATAN**

CH = Cluster Head

BFO = Bacterial Foraging Optimization

BS = Base Station

GA = Genetic Algorithm

HEED = Hybrid Energy Efficient Distributed

HRP = Hybrid Routing Protocol

LEACH = Low-Energy Adaptive Clustering Hierarchy

PEGASIS = Power Efficient Gathering Sensor Information System

PDORP = PEGASIS-DSR Optimization Routing Protocol

QoS = Quality of Service

WSN = Wireless Sensor Network