Indoor Localization Estimation Techniques in Wireless Sensor Network: A Review

M.Shahkhir Mozamir
Faculty of Computer Systems and
Software Engineering, Universiti
Malaysia Pahang, Kuantan, Pahang,
Malaysia
shahkhir94@gmail.com

Rohani Binti Abu Bakar
Soft Computing and Intelligent System
Research Group
Faculty of Computer Systems and
Software Engineering, Universiti
Malaysia Pahang, Kuantan, Pahang,
Malaysia
rohani@ump.edu.my

Wan Isni Soffiah Wan Din
System Network & Security
Research Group
Faculty of Computer Systems and
Software Engineering, Universiti
Malaysia Pahang, Kuantan, Pahang,
Malaysia
Sofiah@ump.edu.com

Abstract

Recently, Wireless Sensor Network (WSN) are an important research area because of its real-time response, accurate, improved node capability, low in cost and simple infrastructure. Because of the huge number of sensor nodes, the main issue of WSN is the estimation of their location. The nodes which are deployed may not be known their own position. In localization, different techniques are used for estimation to gain the coordinate of the node. In this paper, we reviewed on the current techniques in estimation phase for indoor localization from 2013 to 2018. This reviewed will be useful for the researchers to implement the techniques for estimation phase to increase the accuracy.

Keywords: Wireless Sensor Network; Indoor Localization; Accuracy; Estimation Phase;