Abstract

This research aims to determine the effectiveness of packing materials of ethylene oxidizer to extend the shelf life and maintain fruit quality of banana "Raja Bulu". Experiments in this research conducted in the Posharvest Laboratory of Department of Agronomy and Horticulture, Faculty of Agriculture, IPB from November to December 2010. Banana fruits for the experiment were obtained from banana growers in Cibanteng, Dramaga, Bogor. A single factor experiment with four treatments, i.e. no ethylene oxidizer (P0), 30 g of ethylene oxidizer with gauze wrapped (P1), 30 g of ethylene oxidizer with tissue paper wrapped (P2) and 30 g of ethylene oxidizer with cement wrapping paper wrapped (P3) was conducted in a Randomized Block Design with three blocks and three replication in each block. Data were analyzed by F test and Duncan's Multiple Range Test at 5% level. The experimental results showed that the banana "Raja Bulu" can maintain shelf life and is still suitable for consumption up to 22 days after harvest, while fruit with ethylene oxidizer treatment with various types of wrapping materials can maintain shelf life and is still suitable for consumption up to 26 days after harvest.