

ANALISIS RESIDU PESTISIDA KARBAMAT JENIS KARBARIL DAN KARBOFURAN PADA BIJI KEDELAI PASCA PANEN

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ABSTRACT

There are 2 methods for separating the pesticide by extraction. The first (solid method) use 3 organic solvent; acetonitril, Petroleum ether, and Dichloromethane, and the second (alternative method) use 2 organic solvent, the are Dichloromethane and Petroleum ether. These two methods was compared in order to know which one is usable to detect the pesticide residue in soybean.

The concentration of the carbaryl residu for the first method was 0,0302 ppm. In the second one the residu that found still lower from limit of ADI that patent by WHO: 0,1 ppm, and the residu carbofuran undetected. The results, showed that the second method can't be used as alternative method.

Keyword: Carbaryl-Carbofuran-soybean plant