

## ***THE STUDY OF CROSSED ALDOL CONDENSATION AT THE SYNTHESIS OF ASYMMETRIC DIBENZALACETONE***

Sri Handayani, Indyah Sulisty Arty and Retno Arianingrum

*The synthesis of asymmetric dibenzalacetone has been done by crossed aldol condensation. It can be made from 3,4-dimethoxybenzaldehyde, benzaldehyde and acetone as the starting materials. As a nucleophile, acetone, has  $\alpha$ -hydrogens in two side. It means, that it can attack two kinds of aldehyde. The product will be characterized by  $^1\text{H-NMR}$ ,  $^{13}\text{C-NMR}$ ,  $\text{HMOC}$  and  $\text{HMBC}$  spectrometer. Therefore, it was identified as 1(E),4(E)-1-phenyl-5-(3',4'-dimethoxyphenyl)-penta-1,4-diene-3-one.*

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