**PREPARATION OF NANOFILMS FROM ALGINATE AND PECTIN BY LAYER-BY-LAYER METHOD**

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Abstract

Polymeric nanofilms have been of growing interest due to their interesting properties such as a large surface areas, adhesion, transparent and mechanical properties, etc… In addition, the nanofilms can be modified the functional properties leading to broaden the applications of nanofilms from packaging to biomedical engineering. This research reported the fabrication of nanofilm made by biopolymer such as alginate and pectin. The nanofilms were prepared by layer by layer method. This method is simple and effective ways to create the multilayer without adhesive and promote the distinctive character of each polymer. The properties of the film such as thickness, adhesion, surface morphology were examined.

Keywords: nanofilm, layer-by-layer, alginate, pectin

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