

A Mini Project

BIOPLASTIC MADE FROM BANANA PEELS

Report In Partial Fulfilment of the Requirement for Award of Degree of
Bachelor of Technology of the 2nd Year in Chemical Engineering

Submitted By

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CERTIFICATE

Certified that the Mini Project Report entitled "*Development of Bioplastic*" submitted by Student name of B.Tech. 4th Semester, in partial fulfillment of the requirements for the award of degree in Bachelor of Technology (B. Tech) in Chemical Engineering, is according to the students their own investigation carried out by them in the Department of Chemical Engineering, School of Studies of Engineering & Technology, GGV, during the session 2024-25.

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2.Introduction

Plastics are more useful than metals, papers and other materials because of their properties such as lightness, cheapness and durability. Therefore, they have been being used in almost every industrial field. World-wide

Biodegradable plastics are a new generation of polymers emerging on the world market. Biodegradable plastics have an expanding range of potential applications, and driven by the growing use of plastics in packaging and the perception that biodegradable plastics are "environment friendly", their use is predicted to increase. However, issues are also emerging regarding the use of biodegradable plastics and their potential impacts on the environment and effects on established recycling systems and technologies. The banana fruit's peel was selected for this because it is a waste material rich of starch - according to Songklanakarin Journal of Science and Technology, the proximate composition of banana peel