

DESIGN AND DEVELOPMENT OF CORN REMOVAL MACHINE

By

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Last but not least, I hope that this report could give further information about corn removal machine which can be highly recommended to our designers as a corn removal guidelines and its application and could also be used in the near future and be improved from time to time according to its user's requirements.

APPROVAL AND DECLARATION SHEET

This project report titled Improve ment the Design and Development of Corn Removal Machine was prepared and submitted by Ahmad Azami Bin Ghazali (Matric Number: 071051106) and has been found satisfactory in terms of scope, quality and presentation as partial fulfillment of the requirement for the Bachelor of Engineering (Manufacturing Engineering) in University Malaysia Perlis (UNIMAP).

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MEREKABENTUK DAN PEMBANGUNAN MESIN PEMISAH JAGUNG

ABSTRAK

Projek ini berkisarkan tentang merekabentuk, pembinaan dan pelaksanaan mesin pemisah jagung dengan menggunakan motor elektrik. Jagung manis yang masak amat sesuai untuk perkembangan saraf, kesihatan dan mengelakkan aktiviti pengoksidaan, yang mana dapat mengurangkan serangan jantung dan kanser. Untuk memotong isi jagung sebagai hidangan untuk makanan terlalu menjemukan dan boleh mendatangkan kecederaan tangan. Ia juga akan menghasilkan pembaziran masa yang banyak untuk proses meleraikan isi jagung. Sekarang adalah masa yang sesuai untuk menghasilkan mesin pemisah jagung dimana dapat menghasilkan pengurangan dalam pembaziran masa. Ini dapat membantu untuk mempertingkatkan produktiviti dalam industry jagung. Rekabentuk ini adalah pengubahsuaian keseluruhan struktur dan mekanisma untuk meleraikan isi jagung yang mana dijana oleh motor elektrik. Analisis akan dibuat untuk mekanisma pemisah isi jagung ini.

DESIGN AND DEVELOPMENT OF SORN REMOVAL MACHINE

ABSTRACT

The project had examined the design and development of corn removal machine. Eating cooked sweet corn significantly boosts the grain's health giving antioxidant activity, which can substantially reduce the chance of heart disease and cancer. To cut the corn for food preparation is quite tedious and may cause hand injury. It also may cause the production waste a lot of time during corn removal process. Hence it is desirable to develop a corn removal machine which can produce a lot of corn at a short time. This can help to increase the productivity of corn food industry. The design is focus on the overall structure and mechanism to remove the corn which drives by electrical motor. The analysis will be made in the mechanism to remove the corn.

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