


# Making antibacterial gel bandage using discarded durian husks



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Food scientists from **Nanyang Technological University, Singapore (NTU Singapore)** have made an antibacterial gel bandage using the discarded husks of the popular tropical fruit, durian.

Known as the “King of Fruits” in Southeast Asia, the durian has a thick husk with spiky thorns which is discarded, while the sweet flesh surrounding the seeds on the inside is considered a delicacy.

By extracting high-quality cellulose from the durian husks and combining it with glycerol – a waste by-product from the biodiesel and soap industry – NTU scientists created a soft gel, similar to silicon sheets, which can be cut into bandages of various shapes and sizes.

They then added the organic molecules produced from baker’s yeast known as natural yeast phenolics, making the bandage deadly to bacteria.

Read full article at [NTU News](#)