

## SINGAPORE: NTU SCIENTISTS TURN TYPICALLY DISCARDED DURIAN HUSKS INTO ANTIBACTERIAL GEL BANDAGES

Posted by Asia Views | Mar 26, 2021 | 0 🗨️ | ★★★★★

**Today-Mar 25**

Durian is a hit with many Singaporeans for its distinctive taste and its unique-looking husk forms the bulk of the tropical fruit that cannot be consumed. The husks thus contribute to about 60 per cent of the waste generated from the consumption of durians and are usually discarded. A team of four scientists from Nanyang Technological University (NTU) is hoping to change that. They have found a way to turn the husks into antibacterial gel bandages, which are typically used to cover surgical wounds to reduce excessive scar tissue. Such bandages on the market now are usually made of synthetic materials such as polymers and may include metallic compounds such as silver or copper.

To make their bandages, the NTU team extracted cellulose — the chief component of plant cell walls — from durian husks and combined it with glycerol, a waste byproduct of the biodiesel manufacturing process. Organic molecules from baker’s yeast were then added to the gel to create a bandage that kills bacteria.

**Read more at:**

INDONESIA FOREIGN MINISTER RETNO MARSUDI



"Many unresolved conflict drivers may add to the heightening of tensions, from inequalities to weak governance, from rampant poverty to poor health infrastructures, and from collapsing economies to food shortages. This unprecedented disruption may reverse years of peacebuilding efforts that have been made." Retno Marsudi said in a virtual debate on "Sustaining Peace in the Post-Pandemic World" at a UN Security Council debate on "Sustaining Peace in the Post-Pandemic World" on Wednesday, 12 Aug 2020, as reported in the Jakarta Globe.

### TRENDING

1. **INDONESIA , Singapore Set up Bintan Leaders Meeting as Concerns over Myanmar Swirl- JakartaPost -Mar 26**
2. **MALAYSIA: Immigration Department: Only Foreign Workers from 15 countries Allowed to Work in Malaysia- MalayMail- Mar 26**