

# Food Security and Agriculture Biotechnology Progress in Indonesia

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## **Abstract**

Food security in Indonesia become serious problems because land conversion from agriculture is high and almost uncontrollable and the population growth rate is still high, the conditions worsened by climate uncertainty. One of the answer to this problems is to increase yield and it can be achieved by increasing seed quality using available technology. Although it is not panacea, biotechnology can provide tools to increase seed quality. Biotechnology research in Indonesia is done since 1980 but so far little products come to the market due to the regulations. Recent improvements in the system and regulations make the product pipeline moving, and it is hoped that the first launch of transgenic plants happen in 2012. However some improvements is still needed in order to make regulations in Indonesia facilitating biotechnology development.

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