

INDONESIA MANGO DEVELOPMENT: A RESEARCH AND DEVELOPMENT PERSPECTIVE TO CAPTURE THE OPPORTUNITIES AND FACE THE CHALLENGES IN GLOBAL TRADE ERA

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ABSTRACT

Indonesia is ranked fifth in the world as a mango producing country. Trade balance of Indonesian mangoes have always been at a surplus, although only less than 1% of mangoes are exported. Global as well as local markets for mangoes have remained robust, thus it is important to produce quality mangoes to be accepted into those markets. This paper will discuss the development of mangoes in Indonesia in order to capture the opportunities and face the challenges in the global market era, especially from the research and development perspectives. Currently, mangoes produced that meet the standards of the global market are still limited. Most mango farming is carried out on an extensive small home garden scale. Farmers' awareness of good production practices as well as the application of technology, are still low although many research results have been disseminated. Due to these problems, the trend of mango production has declined owing to the decreasing productivity of mango trees. In 2017, national mango productivity was 10.96 mton/ha, a decrease of 2.32% from the previous year (11.22 mton/ha). To increase the performance of national mango competitiveness, the Indonesian government has massively facilitated the development of mango regions in several regencies. The program becomes an opportunity in disseminating research results because it includes the free distribution of improved and certified seeds, assistance in mango farming technology packages, and also post-harvest technology. Under this program, Indonesia's mango competitiveness is expected to increase especially in productivity, quality, and the capacity to enter the global market.

Keywords: mango, Indonesia, research and development