BioSpectrum
the business of Bio & Health Sciences
ASIA EDITION

Indonesia facilitates the TPT Industry to optimize technology and innovation

15 February 2021 | News

The country's manufacturing industry aims continued contributing to a positive economic growth

Indonesia Ministry of Industry (Kemenperin) continues to encourage the optimization of the use of industrial technologyto boost the competitiveness of the national manufacturing sector. Through these steps, it is hoped that the country's manufacturing industry will continue to contribute positively to economic growth.

The use of innovation and technology to increase competitiveness is also encouraged by the Ministry of Industry in the textile and textile products (TPT) industry. Facing the Covid-19 pandemic, the textile industry is developing textile materials with special functions for medical use. This is done because consumer demand during the pandemic for textile products that have anti-bacterial and anti-viral functions continues to increase.

Ministry of Industry's work units in the field of standardization and industrial services, namely theBandung Center for Textiles (B B T), developed a *melt spinning* laboratory facility. This facility can be used by the national textile industry which is developing raw materials for yarn with special functions, including for medical purposes."Material development will have an impact on increasing the competitiveness of the national textile and textile products industry," he said. *'elt spinning* technology able to design yarn with a special function that is directly embedded in the fiber. With the fiber engineering process using *melt spinning* technology, functional textile products can be produced that have higher durability compared to the results of chemical refinement of textiles" he added.

Country's testing services in the medical textile product segment, BBT Bandung in collaboration with the National Disaster Management Agency (BNPB) established a medical mask testing laboratory facility. Testing can be done in laboratories that include test bacteria filtration efficiency (BFE), particle filtration efficiency (PFE), breathing resistance, synthetic blood p enetration test status plus resistance, differential pressure, and flammability.

Mask testing laboratory at BBT Bandung refers to parameters that have been recommended by the World Health Organization (WHO) and has been identically adopted by the National Standardization Body to become the Indonesian National Standard (SNI), namely SNI EN 149: 2001 + A1: 2009 (s standard for mask N95) and SNI EN 14683: 2019 + AC: 2019 (medical mask standards). Then, there is also SNI 8488: 2018 (medical mask standard) and SNI 8914: 2020 which is a cloth mask standard.