PETROKIMIA GRESIK

PRESS RELEASE

SUPPORT RESEARCH OF THE NATION YOUTH PETROKIMIA GRESIK USES 10 UNITS OF GENOSE C19 FOR COVID-19 DETECTION

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Event : Handover of GeNose C19 from UGM to Petrokimia Gresik.

Petrokimia Gresik (PG) is an Agroindustry Solutions company and a member of Pupuk Indonesia holding, purchased 10 (ten) units of GeNose C19 or a Covid-19 detection tool made by Gadjah Mada University (UGM) for IDR 620 million.

Symbolically, GeNose C19 was handed over by the UGM Deputy Rector for Cooperation and Alumni, Dr. Paripurna, to the President Commissioner of Petrokimia Gresik, T. Nugroho Purwanto along with the Director of Operation and Production of Petrokimia Gresik, Digna Jatiningsih at UGM Science Techno Park, Yogyakarta, Friday (5/2).

"This is a form of our appreciation and support for the research results of the nation's youth. Petrokimia Gresik is one of the companies in Indonesia that uses GeNose C19. We are proud of this work," said Nugroho.

He conveyed, the procurement of GeNose C19 is also an implementation of Petrokimia Gresik's commitment to fighting Covid-19, where Petrokimia Gresik, which is a national vital object (Obvitnas), must not be disturbed by its operations in order to maintain national food security. Moreover, the agricultural sector has become breadwinner of national economic recovery in 2021.

"Petrokimia Gresik has received the most mandate for distribution of subsidized fertilizers among other members of the Pupuk Indonesia holding, which is 4.9 million tons. Prevention measures or early detection of Covid-19 using GeNose C19 are increasingly relevant in Petrokimia Gresik," said Nugroho.

Meanwhile, Digna added that for the initial stage, 10 units of GeNose C19 would be used for screening Covid-19 for organic and non-organic employees at Petrokimia Gresik so that efforts to prevent the transmission of this virus would be tighter.

He explained that Petrokimia Gresik has continued to carry out until now massive testing and intensive tracing. With the presence of this tool, the antigen method is only used for intensive tracing, while massive testing or "rapid mass" uses GeNose C19.

"So it is expected that coverage massive testing can be increased at a more efficient cost," said Digna.

Digna also emphasized that there was no doubt at all for Petrokimia Gresik to use the GeNose C19 because the tool had gone through a diagnostic test until the distribution permit had been issued by the Ministry of Health.

Based on the results of tests conducted by UGM, the accuracy of this tool reaches 97 percent, which greatly helps Petrokimia Gresik in preventing the transmission of Covid-19 in the company environment.

GeNose C19 is a Covid-19 detection tool with a short checking time, high accuracy and a much more efficient cost. This tool is able to identify Covid-19 by detecting Volatile Organic Compound (VOC) which is formed because of the Covid-19 infection that comes out with the breath.

People who will be examined using GeNose C19, first asked to exhale into a special tube. The sensors in the tube then work to detect VOCs. Then, the data obtained will be processed with the help of artificial intelligence to produce results. In less than 2 minutes, GeNose C19 can detect whether someone is positive or negative Covid-19.

Finally, UGM Deputy Rector for Cooperation and Alumni, Dr. Paripurna, hopes that in the future the accuracy of GeNose will be even higher and can be used to detect other diseases that have the same similarities, such as tuberculosis.

"So in the future, the owners of these tools do not need to buy a new GeNose, simply be injected with other sensors to detect other diseases," he said.

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