

Alumnus of UGM Produces 3 Patents in Technology

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An alumnus of Mechanical Engineering of Universitas Gadjah Mada (UGM), Nosal Nugroho Pratama, has produced 3 patents for technology innovations he made in 2019. The patents are recorded as Intellectual Property Rights patent in a document issued by Director General of Intellectual Property in the Law and Human Rights Ministry.

The patents include an e-voting (election voting) platform, *formaturk3mi.id*, which has been integrated in a bigger platform, *K3MI.ORG*.

Secondly, he made field balancing premium application platform, which is a breakthrough in Corrective Maintenance Engineering of turbomachinery, such as turbin, compressor, pump, fan, disk, etc.

“This application became a software application for the calculation of field balancing single plane and two plane which are integrated with features vibration converting unit, visualisation of polar graph, and comprehensive report, the first in Indonesia,” said Nosal.

Another innovation is a social network service platform of labour union which is based on sharing

and multi-sided business platform, *k3mi.org*.

“*K3MI.ORG* not only means owning business, but also enables everyone in the labour union structural organisation to use it,” he said.

They can be actively engaged in organisational activities through interactive features, namely e-voting, polling, and aspiration. He said this would change significantly the method and mechanism of how labour unions run their organisational activities and decision making.

“Enrichment materials of organisational discussion will get more productive, effective, and efficient with the help of aspiration contribution from all union members through *K3MI.ORG*,” he added.

The election voting feature has also been registered as one patent innovation. Polling feature has optimally helped unions in big decision making by providing facilities that involve all members. He said this platform could resolve many activity interests through adaptive and relevant ways. The system could help decision making process and giving up-to-date information regarding the union events through news and financial report features.

“We can imagine the effect of the *K3MI.ORG* as a platform that can do problem solving in multi-sided business through information technology innovation,” said Nosal.

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