

UGM Lecturer Develops GAMA CNC

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Reflecting from countries such as Korea and China that are advanced in terms of electronics and Japan that is thriving in its manufacture sector, it is seen that developments in manufacture industry can give longer impacts if handed well.

“If Indonesia wants to thrive in technology, a special strategy is needed to develop manufacture industry,” said lecturer in Mechanical and Industrial Engineering of UGM, Dr.Eng.Herianto, S.T., M.Eng., on Wednesday (15/10).

Herianto said we need to learn from those countries in terms of electronic and IT industry as a manufacturing development strategy for Indonesia. Now IT has progressed rapidly as observable in the smaller size of computers and the less expensive price.

He explained in Indonesia’s manufacture industry almost all use very big machines, even at universities and vocational schools, hence less opportunities for students to interact with the machines.

Learning from this condition, Herianto along with fellow lecturer, I. Aris Hendaryanto, S.T., M.Eng. from UGM Vocational School develop manufacture supporting tools that can increase student’s interaction. They develop portable mini-machines that are cheap.

“We hope more people would be able to interact with machinery technologies and manufacture, leading to the birth of more experts in Indonesia. So, Herianto and Hendaryanto continue to develop Portable PC-Base CNC that is expected to be used by more Indonesian people, particularly at

vocational schools and universities.

The mini Gama CNC weighs 60 kg. It can be used for assembling and calibration of CNC machine, household industry, manufacture industry, education institutions for training or by technology savvy that want to develop components by themselves.

“This is produced domestically using around 70 percent of local components,” he concluded.

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