

**TB M NURUL HAMDI"REMASTERING LINUX DISTRO WITH CUSTOM UBUNTU ISO CREATOR (CUBIC) IN AN EFFORT TO SUPPORT LEARNING ACTIVITIES OF TKJ STUDENTS IN SMK NEGERI 1 KRAGILAN".**

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**ABSTRACT**

Computers as a medium for teaching and learning activities for TKJ students at school and at home because it is supported by the affordable price of computers in the middle and lower economic community, but with low specifications. The operating system is an important part of the software. The low-spec computer used by TKJ students at SMKN 1 Kragilan uses Windows 7 which currently has no security updates, this makes Windows 7 a learning target for beginner hackers. Linux as an alternative operating system is the right one that can be used because data security is so good compared to other operating systems and is stable on low-spec laptops. But the lack of development of Linux distributions for the education of TKJ students at SMKN 1 Kragikan that suits the needs for learning activities. In this case the author conducted research with the waterfall method as the system development method used. The development uses linux distro remastering techniques to provide the operating system. This operating system is called DIKSI LINUX (Educate Students) which suits the needs of TKJ students at SMKN 1 Kragilan. This system can be further developed for free because it is open source.

**Keywords :***Linux Diction, Linux, Operating System, Remastering, Waterfall*