

Cattle Feed Concentrate Automatization System Based on Internet of Things

Publons ID	(not set)
Wos ID	WOS:000472799700005
Doi	10.1063/1.5097474
Title	Cattle Feed Concentrate Automatization System Based on Internet of Things
First Author	
Last Author	
Authors	Wijayanto, B; Rahayu, SP; Iskandar, D;
Publish Date	2019
Journal Name	1ST INTERNATIONAL CONFERENCE ON MATERIAL SCIENCE AND ENGINEERING FOR SUSTAINABLE RURAL DEVELOPMENT
Citation	
Abstract	<p>The problem of meeting national beef needs from year to year occurs repeatedly. The main cause of this price increase is supply instability due to lack of supply of local cattle. The problem that the small farmer had was how to mix the concentrate in the exact composition gradually. cattle feed concentrate automatization system software in feedlot at rural farmer based on Raspberry Pi 3 (SIKAPAT) has been successfully made in the 2017, the software is able to calculate the best composition of 3 main ingredients of cattle composite, bran, cake and onggok in fattening process. The computation process was carried out using the simplex algorithm on raspberry pi 3 giving optimum results on the calculation of the three existing composite raw materials. In previous studies, the SIKAPAT software only ran on prototype devices that were not based on the internet of things (IoT). This made integration with other mobile devices difficult. The development of hardware based on Internet of Things is expected to facilitate portability and exchange of data between devices in the future. This study aims to develop and design Hardware Automation System concentrates as feed in cattle fattening in rural farmers based on raspberry pi 3 which can then be applied in the community. From this research it is expected that the automation of cattle feed based automation system based on Internet (IOT) can be designed to synergize with existing software</p>
Publish Type	Book in series
Publish Year	2019
Page Begin	(not set)
Page End	(not set)
Issn	0094-243X
Eissn	
Url	https://www.webofscience.com/wos/woscc/full-record/WOS:000472799700005
Author	Ir DADANG ISKANDAR, S.T, M.Eng