

ISSN 1979-4673

Indonesian Journal of Agriculture

Volume 5 Number 2, 2012

Indonesian Agency for Agricultural Research and Development
Ministry of Agriculture
Republic of Indonesia

CONTENTS

DNA fingerprinting of 88 Indonesian sweet potato germplasms based on eight SSR markers Nurul Hidayatun, Chaerani, and Dwinita W. Utami	67
Identification of improved cassava varieties/clones for bioethanol production Erliana Ginting, Titik Sundari, Bambang Triwiyono, and Triatmodjo	76
Analysis of water production potential under some land use scenarios in Paninggahan-Singkarak watershed N. Pujilestari, S.D. Tarigan, and K. Subagyono	85
Haploid technology for carnation: A study on developmental stages of microspores and selection of donor plants S. Kartikaningrum, A. Purwito, G.A. Wattimena, B. Marwoto, and D. Sukma	92
Optimization of condition for isomerization of eugenol from clove leaf using surface response method Edy Mulyono, Ani Suryani, Djumali Mangunwidjaja, and Dewi Setyaningsih	101
Analysis of irrigation pump requirements for maize farming: A case study in Kediri Regency, East Java Agung Prabowo, Sigit Supadmo Arif, Lilik Sutiarso, and Bambang Purwantana	108
Transfer of β -1,3-glucanase gene from <i>Trichoderma asperillium</i> into abaca calli for resistance to fusarium wilt disease Rully Dyah Purwati and Liliek Sulistyowati	114
Genetic variation on internal protein matrix (M1) and non-structural protein (NS1) of Indonesian H5N1 avian influenza virus N.L.P. Indi Dharmayanti	120
Analyses of soybean competitive based on its agro-ecosystems: A case study in three provinces of Indonesia Amar K. Zakaria, Wahyuning K. Sejati, and Reni Kustiari	130