

Table of Contents

Utilize Chitosan to Coat Hydroxyapatite on Polymer M.J. Mohammed, M.N. Arbilei, S.J. Hamandi and H.A. Hussein	1
In Vitro Study: Bioactivity, Biocompatibility and Antibacterial Behavior for Polyetheretherketone Composites A.A. Mohammed, E.S. Al-Hassani and J.K. Olewi	11
Analytical Study of Interstitial Fluid Extractive Microneedle Arrays Using Differential Transform Method I.V. Diwe, O.A. Adeleye and H.E. Mgbemere	27
Active Rehabilitation Gloves Based on Brain-Computer Interfaces and Deep Learning J.H. Zhu, X.Z. Shi, X.Y. Cheng, Q.R. Yang and R.X. Xiao	49
Multiple Channels Model Based on Mel Spectrogram for Classifying Abnormalities in Lung Sound P.T.V. Huong, L.D. Thinh, P.V. Kien and T.A. Vu	63
Electrosprayed Chitosan Nanoparticles for Drug Carriers in Cancer Treatment - A Mini Review F. Udaneni, M. Azizah, D. Harjunowibowo, M. Alauhdin, P. Indrayudha and Y.A. Rezeki	73
The Effect of Curcumin on Blood Glucose Patients with Type 2 Diabetes Mellitus: A Systematic Review N.A. Prabowo, Y. Sari, D.P. Putri and H. Hartono	91
Public Perception of the Chemical Composition of Covid-19 Vaccine that Hinders the Implementations of COVID-19 Vaccination in Indonesia T.D. Ardyanto, N.A. Prabowo, R. Myrtha and L. Shofiyah	101
Alcohol-Based Hand Sanitizer Combination of Eucalyptus Oil Extract against Aspergillus Niger Fungus L. Jayadi, S. Kesuma and M.H. Wattiheluw	111
Synthesis of Colloidal Silver Nanoparticles Using Alginate as Reducing and Stabilizing Agents and its Application as Antibacterial Material E. Susilowati, L. Mahardiani, S.R.D. Ariani and H. Fauzi	119
Kinetics of Essential Oil Extraction of Kaffir Lime Peel Using Microwave Assisted Hydrodistillation M. Megawati, B. Triwibowo, Z.A.S. Bahlawan, J. Jai, P. Sadewa and Y. Parastuti	129
The Fragility of Glassy Corn Starches V.H. Mistry, N.D. Patel, T.L. Shanker Rao and T. Shanker Rao	141
Effect of Plant Oil Derived Bio-Resin and Curing Temperature on Static and Dynamic Mechanical Properties of Epoxy Network S. Kannan and S.S. Lal	147