



SICoMAS 2019
**Soedirman's International Conference
on Mathematics and Applied Sciences**
Purwokerto INDONESIA, October 23-24, 2019
<https://conference.unsoed.ac.id/index.php/SICoMAS/>



No. : T/1710/UN23.11.SICOMAS/DL.17/2019
Subject : **Invited Speaker Invitation**

September 26, 2019

Dadan Hermawan, Ph.D.
Jenderal Soedirman University, Indonesia

Dear Dadan Hermawan, Ph.D.

We are pleased to invite you as an **Invited Speaker** on the "**Soedirman's International Conference on Mathematics and Applied Sciences (SICoMAS)**" which will be held on **October 23-24, 2019** at the Java Heritage Hotel Purwokerto, Central Java, Indonesia. The themes of the conference will be on the following topics: **"Innovation in Mathematics and Applied Sciences for Better Future"**.

Should you require any information, please do not hesitate to contact us. We are looking forward to meeting you in Purwokerto.

Sincerely yours,

A handwritten signature in black ink, followed by the SICoMAS 2019 logo.

Dr. Idha Sihwaningrum, M.Sc.St.
Chair of the Organizing Committee

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The Proceeding of SICoMAS 2019

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SICoMAS 2019 <sicomas@unsoed.ac.id>

kepada Muhammad, nooranis, Nurlaelasari, Amin, Uyi, Zufahair, tien_kimia, Ponco, sa

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Melayu

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Dear Participants,

The Proceeding of SICoMAS 2019 is available now on

<https://iopscience.iop.org/issue/1742-6596/1494/1>

Thank you for your contribution to SICoMAS 2019.

Best regards,

SICoMAS 2019 Committee

Web: <https://conference.unsoed.ac.id/index.php/SICoMAS/>

Email: sicomas@unsoed.ac.id

Balas

Balas kepada semua

Kirim Semula

Application of High Performance Liquid Chromatography Method for Triadimenol Analysis in Water Sample

D Hermawan¹, Cacu¹, Suwandri¹, A Fatoni¹, Mudasir² and H Y Aboul-Enein³

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Abstract

Triadimenol is the most important triazole fungicide used for prevention and treatment of plant fungal disease. A simple high performance liquid chromatography (HPLC) method for triadimenol analysis in water sample is reported in this study. The optimized HPLC system using C₁₈ column was achieved using mobile phase composition containing acetonitrile-water (70:30, v/v), a flow rate of 1.0 mL/min, UV detection at 220 nm, and analysis time within 2.5 min. The calibration graph was linear in the range 5 to 50 mg/L with r^2 of 0.9997. The limit of detection (LOD) and limit of quantification (LOQ) obtained were 1.23 and 4.12 mg/L, respectively. Combination of solid phase extraction (SPE) and the optimized HPLC method has been successfully applied for the determination of triadimenol in water sample with a recovery of 94.24 % (RSD = 5.38%, $n = 4$). The proposed HPLC method provides short analysis time, high reproducibility and high sensitivity.

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