



# ACTA BIOCHIMICA INDONESIANA

## RESEARCH ARTICLE

**The Increased of Carbonic Anhydrase in Liver Tissue of Rat Induced by Chronic Systemic Hypoxia**

*R Ridwan, FC Iswanti, M Sadikin*

**The Effect of Mangrove (*Rhizophora Apiculata*) Bark Extract Ethanol on Histopathology Pancreas of Male White Rats Sprague Dawley Strain Exposed to Cigarette Smoke**

*S Mustofa, W Bahagia, E Kurniawaty, S Rahmanisa, KA Audah*

**Carbon Tetrachloride Administration Induces The Expression of Hypoxia Inducible Factor-1 $\alpha$  (HIF-1 $\alpha$ ) in Rat Liver**

*LG Haritsyah, SWA Jusman, M Sadikin*

**The Effect of Maja Fruit [*Aegle marmelos* (L) Correa] on Inflammation Markers Involved in The Aging Process**

*D Limanan, NO Christian, E Efrany, E Yulianti, F Ferdinal*

***Syzygium Aromaticum* (Clove) Effect on Catalase Activity Due to Carbon Tetrachloride-Induced Oxidative Stress in Rat Liver**

*AR Prijanti, AA Hawali*

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### PREFACE

As a scientific organization that accommodates scientific activities in the field of its member's expertise, a scientific journal is an absolute necessity. **PBBMI (formerly known as PERHIBI)** already has its own journal entitled **Acta Biochimica Indonesiana** which was first published in 1992. The effort to publish journals regularly is hard work, which requires high dedication for the organizers, and faces various obstacles, especially regarding the source of writing to be published. Even though Acta Biochimica Indonesiana was published several years with a frequency of 2 times a year by the struggle of the previous PERHIBI management, but since 2002 this journal has not been published for various reasons.

During the 2015-2018 PBBMI management period, with a rethinking of the purpose of the organization, namely to provide a forum for all scientific activities to advance and develop knowledge in the field of biochemistry and molecular biology as wide as possible, this journal was revived with the hard work of the management. With a truly sincere effort, finally, the Journal can be published in 2 times volume a year in June and December.

Hopefully, the presence of the PBBMI journal, **Acta Biochimica Indonesiana**, will trigger the desire of all members to write and submit their research to be communicated here, and at the end, will stimulate Indonesian researchers to be better known in the international arena.

**President of ISBMB**  
Rahmawati Ridwan, Apt, MS, PhD

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### RESEARCH ARTICLE

<b>The Increased of Carbonic Anhydrase in Liver Tissue of Rat Induced by Chronic Systemic Hypoxia</b> <i>R Ridwan, FC Iswanti, M Sadikin</i>	<b>1</b>	<b>-</b>	<b>6</b>
<b>The Effect of Mangrove (<i>Rhizophora Apiculata</i>) Bark Extract Ethanol on Histopathology Pancreas of Male White Rats Sprague Dawley Strain Exposed to Cigarette Smoke</b> <i>S Mustofa, W Bahagia, E Kurniawaty, S Rahmanisa, KA Audah</i>	<b>7</b>	<b>-</b>	<b>13</b>
<b>Carbon Tetrachloride Administration Induces The Expression of Hypoxia Inducible Factor-1<math>\alpha</math> (HIF-1<math>\alpha</math>) in Rat Liver</b> <i>LG Haritsyah, SWA Jusman, M Sadikin</i>	<b>14</b>	<b>-</b>	<b>23</b>
<b>The Effect of Maja Fruit [<i>Aegle marmelos</i> (L) Correa] on Inflammation Markers Involved in The Aging Process</b> <i>D Limanan, NO Christian, E Efrany, E Yulianti, F Ferdinal</i>	<b>24</b>	<b>-</b>	<b>30</b>
<b><i>Syzygium Aromaticum</i> (Clove) Effect on Catalase Activity Due to Carbon Tetrachloride-Induced Oxidative Stress in Rat Liver</b> <i>AR Prijanti, AA Hawali</i>	<b>31</b>	<b>-</b>	<b>36</b>