


**Summer Field School [Online] on  
 MOUNTAIN ECOSYSTEMS AND RESOURCE MANAGEMENT  
 Ivano-Frankivsk Region, Ukraine :: 19-28 September, 2021**

**DELEGATE PARTICIPANT'S PROFILE**

	<p><b>Mr. Hamid Arrum Harahap</b>  <i>Research Student</i>            Graduate Program, Agriculture Science            Faculty of Agriculture            Universitas Andalas</p> <p>Padang, Indonesia            Mobile: 081360638778            Email: <a href="mailto:arrumhrp@yahoo.com">arrumhrp@yahoo.com</a></p>
<b>Highest Education</b>	Bachelor of Economic
<b>Personal Statement</b>	<p>Dear Colleagues,            I am Hamid Arrum Harahap, a doctoral student from Indonesia. I studied for my master's program about integrated natural resources management. I am currently working with my doctoral research in agricultural science on ecosystem services and payments for ecosystem services to local communities around Sumatra's tropical rainforests.</p>
<b>Paper/Presentation Title (Unpublished Research or Review or Field Work)</b>	<i>Meat, Medicine and Fruit: Paradox in the role of bat for the ecosystem services in Batang Toru Ecosystem, North Sumatra, Indonesia</i>
<b>Keywords</b>	Pollination; Ecosystem services; Wildlife consumption; Batang Toru; Agroforestry
<b>Abstract (100-300 words)</b>	<p>Bats have a vital role as pollinators in maintaining the ecosystem's balance and improving the local economy in the Batang Toru Ecosystem (BTE). However, the anthropogenic impacts negatively affect their sustainability. Thus, evaluation of their services is increasingly needed. Our study aims to understand the local farmers' action against bats in the Batang Toru Ecosystem. The study objectives were; (1) to measure the farmers' knowledge on the role of bats for ecosystem services, (2) to analyze farmers perception of the bats and</p>

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	<p>(3) to analyze farmers awareness of the bat population loss and its impact on durian production. In the BTE, 1 out of 7 farmers showed negative action towards bats in their agroforest lands. The farmers had very little knowledge about bat services in agroforestry. Hence, there is a paradox in bat services – most farmers regarded bats as meat (for food and medicine) rather than as pollinators of their durian fruits. Simultaneously, the knowledge, perceptions and awareness of farmers about bats influenced farmer action by 78.6%. Understanding farmers' action towards bats is vital as a basis for the formulation of conservation strategies.</p>
<b>More Information (weblinks)</b>	<p><a href="https://www.linkedin.com/in/hamid-arrum-harahap-99133621a/">https://www.linkedin.com/in/hamid-arrum-harahap-99133621a/</a></p>