

論文審査の要旨
Summary of Dissertation Review

博士の専攻分野の名称 Degree	博 士 (農学)	氏名 Author	TRUONG NGOC MINH
学位授与の要件	学位規則第4条第①・2項該当		
論文題目 Title of Dissertation Biological Activities and Environmental Interactions of Momilactones A and B, and Phytochemicals in Rice			
論文審査担当者 Dissertation Committee Member			
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〔論文審査の要旨〕 Summary of Dissertation Review			
<p>The applicant dissertation entitled: “Biological Activities and Environmental Interactions of Momilactones A and B, and Phytochemicals in Rice” and included 7 Chapters. Of which: Chapter 1: General introduction. Chapter 2: Efficacy from different extractions for chemical profile and biological activities of rice husk. Chapter 3: Momilactones A and B: Optimization of yields from isolation and purification. Chapter 4: Anti-hyperuricemic effects through xanthine oxidase inhibitor of momilactones A and B. Chapter 5: Phytochemical investigation and biological evaluation of essential oil from rice leaf. Chapter 6: Environmental interactions of momilactones and phytochemicals between rice and weeds in fields, and Chapter 7: General discussion.</p> <p>This research has developed effective methods to optimize the isolation and identification of momilactones A and B from rice husk as well as rice organs, especially rice essential oil. Significant biological activities including plant growth inhibitory and hyperuricemia inhibitory activities of phytochemicals and momilactones A and B in rice were reported in this study. From results obtained by this research, the applicant has published 3 scientific papers in international journals which all indexed in Web of Science, of which two papers Sustainability and Molecules have the IFs of 2.075 and 3.098, respectively. The applicant has revised and incorporated all suggestions and comments by members of the examined board, including revising the title of the research.</p> <p>After evaluating the dissertation thesis and achievements of this study, the examined board concluded that the applicant passed the exam and recommended to obtain the degree of Doctor of Agriculture.</p>			