

## 論文審査の要旨

博士の専攻分野の名称	Ph.D.	氏名	JAROT INDARTO
学位授与の要件	学位規則第4条第①・2項該当		
論文題目 A Study on Forest Permits and Deforestation in Indonesia			
論文審査担当者			
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〔論文審査の要旨〕 <p>More than 60% of GHG emissions from Indonesia is sourced from the forestry sector and around 80% of the future reduction is expected to be achieved in the forestry sector under the current climate change policy of the country. Globally, most of toropical forest is state forest and permit system is dominant instrument for the management including Indonesia. Though the logging permit (LP) is restricted while the plantation conversion permit (PCP) is promoted, deforestation in Indonesia is continued. However, there is no comprehensive study examinig effects of forest permits on deforestation in Indonesia except a few case studies. The study empirically examines the relationship between forest permits and deforestation with provincial data and permit data and how the sustainable forest management (SFM) and palm oil production alter the relationship. It found that unexpecedly the LP does not affect deforestation and the PCP does and moreover, palm oil production also indirectly contribute deforestation while the both international and domestic SFM are not properly implemented. The study argues that the PCP currently permitted to the land with less than 50% of forest cover actually enhances logging activities rather than plantation, leading to land conversion to agricultural purposes including palm oil production, eventually.</p> <p>The dissertation consists of 5 chapters beginning with introductory chapter explaining background, objectives and research framework. Chapter 2 and Chapter 3 are analyses with provincial data that examine the relationship between forest permits (LP and PCP) and deforestation and palm oil production and deferestation during 2000-2012, respectively. Chapter 4 evaluates the relationship between forest permits and deforestation with special emphasis on the SFM with permit level data. Chapter 5 summarizes main findings and concludes with the policy recommendations.</p> <p>As a part of findings of the dissertation, the applicant has published one refereed article in international journal.</p> <p>In conclusion, all the examiners unanimously judged that academic contributions of the dissertation in environmental economics and the achievements of the applicant are qualified for the Ph.D. of IDEC, Hiroshima University.</p>			