## **Thesis Abstract**

Determination of mantle characteristics below south west Japan: inferred from trace element and Sr-Nd-Pb isotope compositions of basalts from Kyushu island, southwest Japan arc

(西南日本弧九州地域の玄武岩の微量元素およびSr-Nd-Pd 同位体組成をもちいた西南日本直下のマントルの地球化学的研究)

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Acknowledgements