



西安石油大學
Xi'an Shiyou University

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December 25, 2024

Dear Admissions Committee,

I am delighted to write this letter strongly recommending George Steven Kalembo for your esteemed PhD program. George is a dedicated postgraduate student at Xi'an Shiyou University.

George, holding a Tanzanian passport numbered AB805983, is a full-time student (22311010009) at the College of Petroleum Engineering. His area of specialization is Oil and Gas Field Development.

During his postgraduate tenure, George has consistently exhibited remarkable academic prowess. Under the guidance of Professor Li Liuren, his research topic, "Simulation of Dimethyl Ether (DME) – the Organic Solvent for Enhanced Oil Recovery," holds great promise in reservoir management.

In his mid-term assessment report, George details his research advancements. His work centers on the application of dimethyl ether in enhanced oil recovery. He has deeply analyzed existing techniques, built relevant numerical models, and conducted simulations. These simulations assess the impact of DME injection on sweep efficiency, considering factors like oil viscosity and viscous-gravity number. His thesis progress is equally impressive. He has completed an in-depth analysis of current DME – injection-based enhanced oil recovery techniques and is now focused on simulating and analyzing the numerical model for this process.

From my close observation, George is an intelligent, highly motivated, and committed student. He has a proven ability to think independently and solve complex problems. I am confident that George will complete his research to the highest standards and make substantial contributions to the relevant academic field.

I wholeheartedly recommend George Steven Kalembo for a PhD. Please contact me if you have any inquiries regarding George's academic achievements or research capabilities.

Sincerely,

Professor Yang Yi

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