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This is to certify that Ms. Rakhee Das Biswas has carried out her research under my supervision. Her thesis entitled " **Studies on multicomponent coordinated defense strategies in tea against foliar fungal pathogens and *Helopeltis theivora*** " is based on her original work and is being submitted for the award of Doctor of Philosophy (**Science**) degree in Botany in accordance with the rules and regulations of the University of North Bengal.

(B. N. Chakraborty)