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Improving treatment outcomes of tuberculosis

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Improving treatment outcomes of tuberculosis

Towards an antimicrobial stewardship program

Ivan Surya Pradipta

Improving treatment outcomes of tuberculosis
Towards an antimicrobial stewardship program

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university of
 groningen

Improving treatment outcomes of tuberculosis

Towards an antimicrobial stewardship program

PhD thesis

to obtain the degree of PhD at the
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 on the authority of the
 Rector Magnificus Prof. C. Wijmenga
 and in accordance with
 the decision by the College of Deans.

This thesis will be defended in public on

Monday 24 February 2020 at 11.00 hours

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*To my respected teachers,
my beloved parents, brothers, wife and children.*

Paranymphs: Sylvi Irawati
Sofa Dewi Alfian

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