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## Unique features of several microbial $\alpha$ -amylases active on soluble and native starch

Sarian, Fean Davisunjaya

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*Document Version*

Publisher's PDF, also known as Version of record

*Publication date:*

2016

[Link to publication in University of Groningen/UMCG research database](#)

*Citation for published version (APA):*

Sarian, F. D. (2016). Unique features of several microbial  $\alpha$ -amylases active on soluble and native starch [Groningen]: University of Groningen

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**Unique features of several  
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**Fean Davisunjaya Sarian**

The work described in this thesis was performed in the research group of the Microbial Physiology of the Groningen Biomolecular Sciences and Biotechnology Institute (GBB), the Aquatic Biotechnology and Bioprocessing Engineering of the Engineering and Technology Institute Groningen (ENTEG) of the University of Groningen, The Netherlands, and the Biochemistry Division, Institut Teknologi Bandung Indonesia. This work was financially supported by a Bernoulli scholarship and by Asahi Glass Foundation.

**Cover design and layout of the book: F. D. Sarian**

Cover front: art of  $\alpha$ -amylase with glucose and maltooligosaccharides

Cover back: art of glucose and maltooligosaccharides



**Printed by: Ipskamp Printing**

ISBN: 978-90-367-8850-2

ISBN: 978-90-367-8849-6 (electronic version)

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# **Unique features of several microbial $\alpha$ -amylases active on soluble and native starch**

**PhD thesis**

to obtain the degree of PhD at the  
 University of Groningen  
 on the authority of the  
 Rector Magnificus Prof. E. Sterken  
 and in accordance with  
 the decision by the College of Deans.

This thesis will be defended in public on

Friday 3 June 2016 at 09.00 hours

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