

# PLANT PHYSIOLOGY

Dr. Fauziyah Harahap, M.Si

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# **PLANT PHYSIOLOGY**

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## PLANT PHYSIOLOGY

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## PREFACE

First of all, I would like to praise and gratitude to Allah SWT. Allah SWT is the source of all knowledge that has given the health and strength to me so that this book entitled PLANT PHYSIOLOGY (An Introductory Book) can be completed properly in accordance with the planned time.

This book was written with aims to translate, summarize, and disseminate the experience of author during managing and examining some of plants in the laboratory as well as the author's experience as a lecturer of Plant Physiology course from 2006 until now. The contents of this book is a translation of Fisiologi Tumbuhan (An Introductory Book), which was also written by the author. The idea was originally to fulfill the needs of plant physiology book at Bilingual Biology class in UNIMED.

This book is also aimed to enhance the knowledge of students, especially for learning material and for others who wants to study about plant physiology. The manuscript of this book has been drafted since 2006 until now and has several times made improvements. Through the Competition HIBAH BUKU TEKS UNIMED 2013, the author hopes to get guidance and deepening.

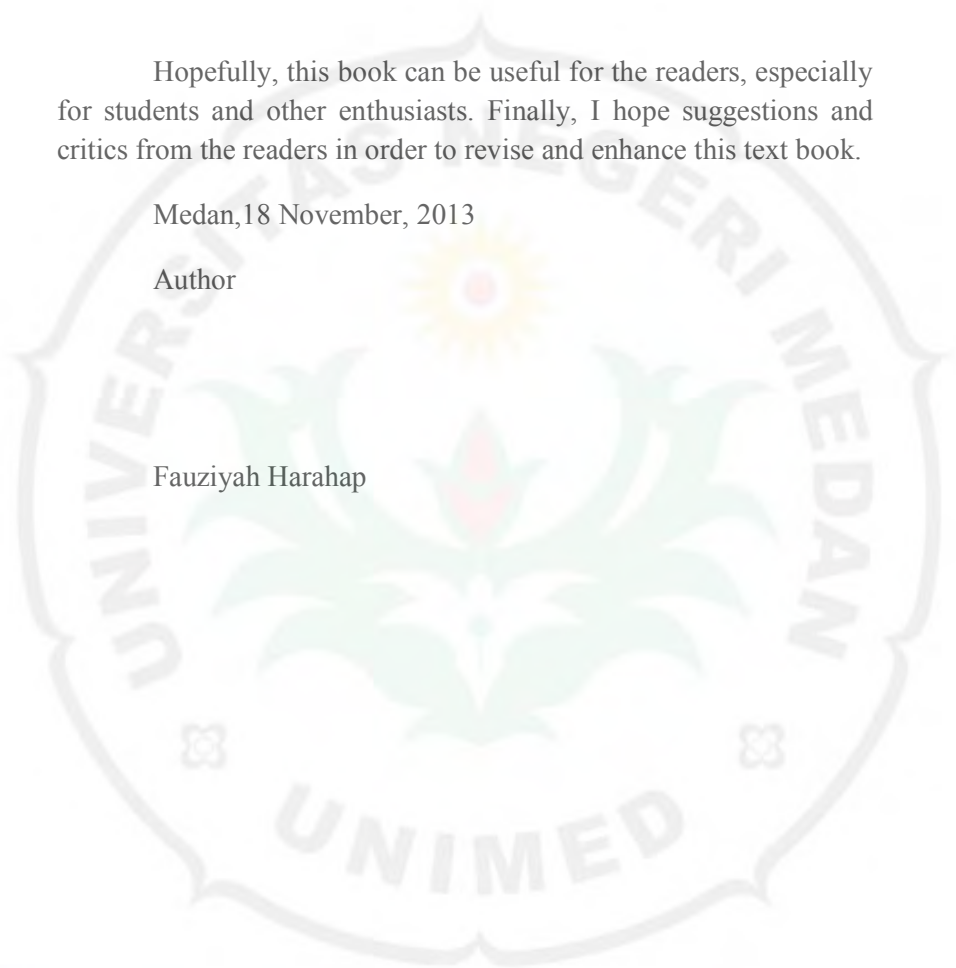
The content of this book consists of 12 chapters include: 1) Introduction, which contains the introductory Plant Physiology, in terms of the basic theory of biology that contributing in scientific development of Plant Physiology course, 2) Part which discusses the relationship of plants with the environment that is discussed in Chapter II and Chapter III, 3) Part which discusses the physiological processes that is discussed in Chapter IV-XII.

Hopefully, this book can be useful for the readers, especially for students and other enthusiasts. Finally, I hope suggestions and critics from the readers in order to revise and enhance this text book.

Medan, 18 November, 2013

Author

Fauziyah Harahap



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## **DESCRIPTION OF BOOK**

### **“PLANT PHYSIOLOGY”**

This textbook manuscript is organized to translate, summarize, and disseminate the author's experiences, as well as share the experiences during the author managing and examining some of the plants in the laboratory and also the author's experiences of teaching about Plant Physiology (An Introductory Book) from 2006 in the undergraduate level and since 2008 in the postgraduate school, to conduct a mini research in the Physiology subject.

The content of this book is the translation from fisiologi tumbuhan book also intended to increase science insights in particular for the benefit of student lectures and reading material for others. This textbook manuscript has been compiled since 2006 to present, and has several times made improvements.

This book's contents consists of 12 chapters which include: 1) Introduction, which wrote the introduction of Plant Physiology, in terms of the basic theory of biology that contributing in scientific development of Plant Physiology course, 2) Section which discusses the relationship between plants and the environment that is discussed in Chapter II and Chapter III, 3) Section which discusses plant physiological processes that is discussed in Chapter IV-XII.

Writing this book also adds the author's experience during the research, literature study, lectures, and experience of guiding students to do a mini research. The book's contents are tailored to PLANT PHYSIOLOGY lecture as well as the development of science. Hopefully this book will be useful for users, especially students and others.