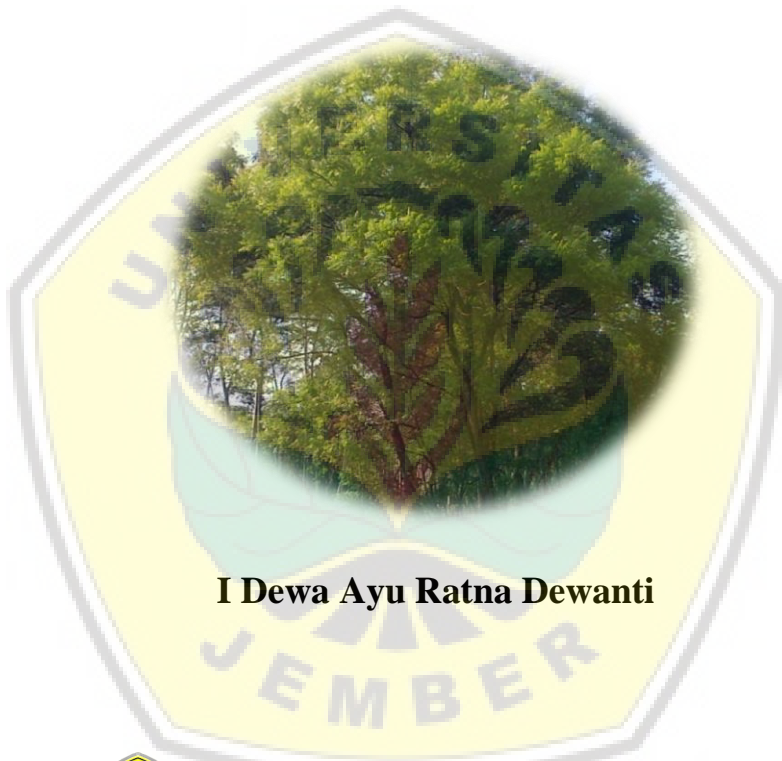


**POTENSI TANAMAN MIMBA
(*Azadirachta indica L juss*)
SEBAGAI IMUNOMODULATOR**



I Dewa Ayu Ratna Dewanti



**Fakultas Kedokteran Gigi
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PRAKATA

Dewasa ini modulasi respons imun menjadi paradigma baru yang menjadikan suatu dasar terapi dan pencegahan suatu penyakit. Respons tersebut dapat diperantarai oleh suatu komponen imunomodulator yang sedang menjadi pembicaraan dewasa ini. Oleh karena itu buku ini membahas tentang peran tanaman mimba sebagai imunomodulator. Di mana imunomodulator salah satunya dapat diperoleh dari tanaman.

Harapan kami dengan membaca dan memahami buku ini akan meningkatkan pemahaman pembaca tentang peran tanaman mimba sebagai imunomodulator. Di samping itu dengan buku ini penulis berharap akan memacu semangat para peneliti untuk mengkaji lebih dalam tentang tanaman mimba. Akhirnya kami ucapkan terima kasih kepada semua pihak yang telah membantu terselesaikannya buku ini.

Penulis, 2016

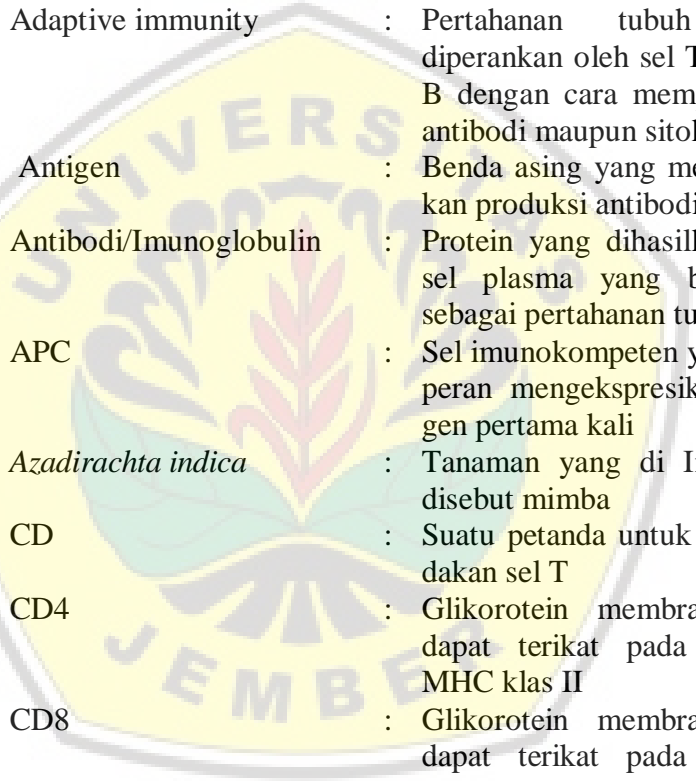
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DAFTAR SINGKATAN

AIDS	<i>Aquired Immune Deficiency Syndrome</i>
AP-1	<i>Activating Protein-1</i>
APC	<i>Antigen Precenting Cell</i>
CD	<i>Cluster of Diferentiation</i>
CMI	<i>Cell-mediated immunity</i>
DNA	<i>Deoxyribonucleoid Acid</i>
ERK	<i>Extracelluler signal-regulated kinase</i>
HMT	<i>Host Modulating Theraphy</i>
IFN- γ	<i>Interferon- γ</i>
IL	<i>Interleukin</i>
JNK	<i>c-jun N-terminal kinase</i>
GCF	<i>Gingival Crevicular Fluid</i>
Ig	<i>Immunoglobulin</i>
IMS	<i>infeksi menular seksual</i>
iNOS	<i>Inducible Nitric Oxide Synthase</i>
IRAK	<i>IL-1 receptor associated kinase</i>
LD	<i>Lethal Dose</i>
LPS	<i>Lipopolysacharide</i>
MAPK	<i>The mitogen-activated protein kinase</i>
MHC I	<i>Major HistocompatibilityComplex</i>
MYD88	<i>Myeloid Defferentiation factor 88</i>
NSO	<i>Nem seed oil</i>
NO	<i>Nitrit Oksid</i>
NF- κ B	<i>Nuclear Factor- κB</i>
NK	<i>Natural Killer</i>
ODHA	<i>Orang dengan HIV AIDS</i>
OPC	<i>Oligomeric Proanthcyanidins</i>
PMN	<i>Polimorphonuclear</i>
RNA	<i>Ribonucleid Acid</i>

GLOSARY



Adaptive immunity	: Pertahanan tubuh yang diperankan oleh sel T dan sel B dengan cara memproduksi antibodi maupun sitokin.
Antigen	: Benda asing yang menimbulkan produksi antibodi
Antibodi/Imunoglobulin	: Protein yang dihasilkan oleh sel plasma yang berfungsi sebagai pertahanan tubuh
APC	: Sel imunokompeten yang berperan mengekspresikan antigen pertama kali
<i>Azadirachta indica</i>	: Tanaman yang di Indonesia disebut mimba
CD	: Suatu petanda untuk membedakan sel T
CD4	: Glikorotein membran yang dapat terikat pada antigen MHC klas II
CD8	: Glikorotein membran yang dapat terikat pada antigen MHC klas I
CD14	: Suatu <i>glicosylphosphatidylinositol</i> berikatan dengan protein yang diekspresikan pada permukaan sel, khususnya makrofag

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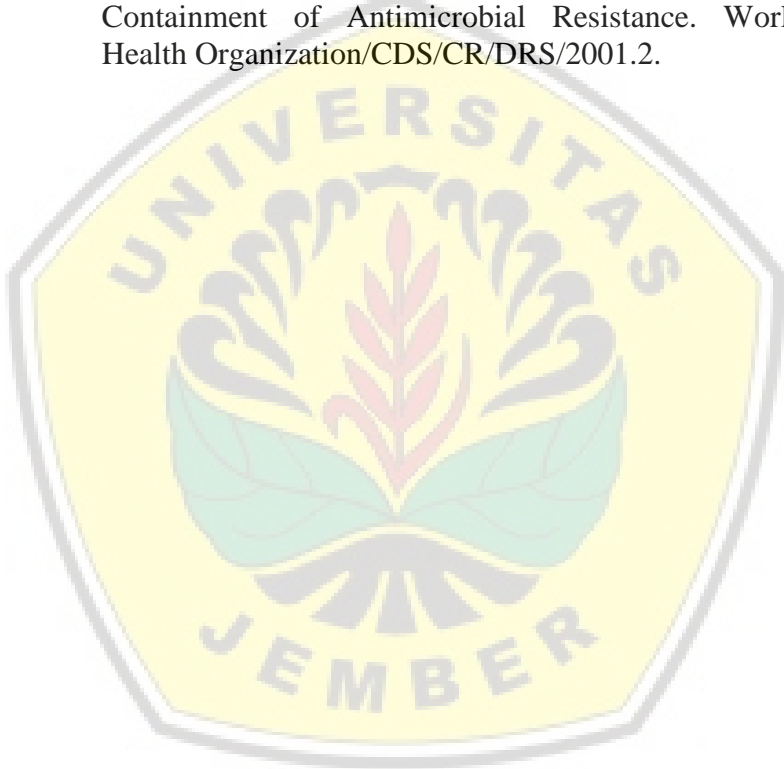
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INDEKS

A

ADCC	13
Antibodi	12, 13, 14, 16, 18, 46, 62, 63, 64, 65, 66, 68
Antigen	11, 20
Antibakteri	35, 37
Antiinflamasi	35, 45
Antijamur	35, 37
Antipiretik	35, 37, 45
Antitumor	35, 37
APC	11, 16, 68
Azadirachtin	5, 29, 30, 35, 56, 57

B

Biji mimba	4, 5, 24, 25, 26, 27, 33, 35, 38, 40, 43, 44, 71, 72
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C

Catechin	3, 5, 29, 32, 35, 52, 74
Cyclictetrasulfide	29, 33, 35, 57, 74
Cyclictrisulfide	29, 33, 35, 57, 74
C-reactive protein	9

D

Daun mimba	3, 5, 24, 28, 37, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 59, 60, 61, 62, 63, 64, 65, 68, 69, 71, 72, 73, 74, 74, 75, 76, 77, 79, 80
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E

Epicatechin	3, 5, 29, 32, 35, 52
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F

Fagositosis	7, 8, 11, 16, 56, 57, 58, 81
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G

Galic acid	29, 32, 35, 52, 55, 56, 74
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