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## DAFTAR SINGKATAN

AGE	: <i>Advanced glycationendproduct</i>
ALT	: <i>Alanine aminotransferase</i>
AST	: <i>Aspartate aminotransferase</i>
ATP	: <i>Adenosine triphospat</i>
CD	: <i>Cluster Differentiation</i>
CK18	: <i>Cytokeratin-18</i>
DJM	: Denyut jantung maksimal
ECM	: <i>Extracellular matrix</i>
Egr2	: <i>Early growth respon protein 2</i>
FITT	: <i>Frekuensi, Intensity, Time, Type</i>
Gal-3	: <i>Galactin-3</i>
GPx	: <i>Glutation peroksidase</i>
GR	: <i>Glutatione reductase</i>
HSC	: <i>Hepatic stellate cell</i>
IL	: <i>Interleukin</i>
IFN- $\gamma$	: <i>Interferon gamma</i>
IGF	: <i>Insulin-like growth factor</i>
JNK	: <i>Jun N-terminal kinase</i>
Lansia	: Lanjut usia
LPS	: Liposakarida
Ly-6c	: <i>Limfosit antigen 6 kompleks locus c1</i>

MDA	: <i>Malondialdehyde</i>
MHC	: <i>Major histocompatibility complex</i>
MMP	: <i>Matrix metalloproteinases</i>
NAFLD	: <i>Non alcoholic fatty liver diseases</i>
NASH	: <i>Nonalcoholic steatohepatitis</i>
NFKB	: <i>Nuclear factor-kappa beta</i>
NKC	: <i>Natural killer cell</i>
NKT	: <i>Natural killer T</i>
NKG2D	: <i>Natural killer growth 2 member day</i>
NRF2	: <i>Nuclear factor protein 2</i>
OLETF	: <i>Otsuka long evans tokushima fatly</i>
PDGF	: <i>Platelet derived growth factor</i>
ROS	: <i>Reactive oxygen species</i>
SGPT	: <i>Serum glutamic pyruvic transminase</i>
SOD	: <i>Superoxide dismutases</i>
TCR	: <i>T cell receptor</i>
TGF- $\beta$	: <i>Tumor growth factor beta</i>
TIMP	: <i>Tissue inhibitor of metalloproteinases</i>
TLR	: <i>Toll like receptor</i>
TNF- $\alpha$	: <i>Tumor necrosis factor alpha</i>
TRAIL	: <i>TNF-related apoptosis-inducing ligand</i>
VEGF	: <i>Vaskular endothelial growth factor</i>