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**PENGARUH VITAMIN D TERHADAP VASCULAR REMODELING DAN EKSPRESI ENDOTHELIAL  
NITRIC OXIDE SYNTHASE  
(ENOS) DAN PREPROENDOTHELIN-1 (PPET-1) PADA MENCIT MODEL UNILATERAL URETERAL  
OBSTRUCTION**

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## DAFTAR SINGKATAN

$\alpha$ -SMA	: <i>alpha smooth muscle actin</i>
AC	: <i>adenylate cyclase</i>
ADMA	: <i>asymmetric <math>\omega</math>-NG, NG dimethylarginine</i>
AKI	: <i>acute kidney injury</i>
AMPK	: <i>adenine monophosphate kinase</i>
AP-1	: <i>activator protein-1</i>
cAMP	: <i>cyclic adenosine monophosphate</i>
CKD	: <i>chronic kidney disease</i>
EMT	: <i>epithelial mesangial transition</i>
eNOS	: <i>endothelial nitric oxide synthase</i>
ESRD	: <i>end stage renal disease</i>
ET-1	: <i>endothelin-1</i>
ETAR	: <i>endothelin-1 a receptor</i>
ETBR	: <i>endothelin-1 b receptor</i>
GAPDH	: <i>glyceraldehyde-3-phosphate dehydrogenase</i>
IL-1 $\alpha$	: <i>interleukin-1<math>\alpha</math></i>
IL-1 $\beta$	: <i>interleukin-1<math>\beta</math></i>
iNOS	: <i>inducible nitric oxide synthase</i>
JGA	: <i>apparatus jukstaklomerularis</i>
LFG	: <i>laju filtrasi glomerulus</i>
LWAR	: <i>lumen-wall-area ratio</i>
MCP-1	: <i>monocyte chemoattractant protein-1</i>
MMP	: <i>matrix metalloproteinase</i>
nNOS	: <i>neuronal nitric oxide synthase</i>
NO	: <i>nitric oxide</i>
NOS	: <i>nitric oxyde synthase</i>
PDK	: <i>phosphoinositide-dependent kinase</i>
PI3K	: <i>phosphatidylinositol 3-kinase</i>
PKA	: <i>protein kinase a</i>
PPET-1	: <i>preproendothelin-1</i>
PTH	: <i>paratiroid hormone</i>
RAAS	: <i>sistem renin angiotensin aldosterone</i>
RE	: <i>retikulum endothelial</i>
RT-PCR	: <i>reverse transcription polymerase chain reaction</i>
TGF- $\beta$	: <i>transforming growth factor-<math>\beta</math></i>
TNF- $\alpha$	: <i>tumor necrosing factor- <math>\alpha</math></i>
tPA	: <i>tissue plasminogen activator</i>
UUO	: <i>unilateral ureteral obstruction</i>
VSMC	: <i>vascular smooth muscle cell</i>