

**MACROINVERTEBRATES DISTRIBUTION IN
SPATIALLY HETEROGENEOUS GRAVEL-BED
REHABILITATED RIVER REACH**

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REHABILITATED RIVER REACH**

by

AZAMUDDIN BIN ARSAD

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LIST OF ABBREVIATIONS

ADV	Acoustic Doppler Velocimeter
APHA	American Public Health Association
AN	Ammoniacal Nitrogen
BOD	Biological Oxygen Demand
COD	Chemical Oxygen Demand
COR	Correlation
DO	Dissolved Oxygen
EPT	Ephemeroptera, Plecoptera, and Trichoptera
FST	<i>Fliesswasserstammtisch</i>
INWQS	Interim National Water Quality Standards
Mag	Magnitude
Max	Maximum
Med	Median
Min	Minimum
RHS	River Habitat Survey
RMS	Root-Mean-Square
SIAN	Sub-Index Ammoniacal Nitrogen
SIBOD	Sub-Index Biological Oxygen Demand
SICOD	Sub-Index Chemical Oxygen Demand
SIDO	Sub-Index Dissolved Oxygen
SIpH	Sub-Index pH
SISS	Sub-Index Suspended Solids
SNR	Signal-to-Noise Ratio

SS	Suspended Solids
TDS	Total Dissolved Solids
WQI	Water Quality Index

LIST OF SYMBOLS

cm	Centimeter
d_5	Diameter Less Than 5 Percentile
d_{16}	Diameter Less Than 16 Percentile
d_{50}	Diameter Less Than 50 Percentile
d_{84}	Diameter Less Than 85 Percentile
d_{95}	Diameter Less Than 95 Percentile
F_r	Froude Number
g	Gravity Acceleration
H	Depth of Flow
H_{out}	Depth Out From the Reach
km	Kilometer
k_s	Effective Roughness Height
L	Liter
m	Meter
ml	Mililiter
mm	Milimeter
n	Number of Readings
n	Manning's Roughness Coefficient
Q_{in}	Discharge into the Reach
Q_{meas}	Discharge Measured In the Field
Q_{out}	Discharge Out From the Reach
R	Pearson correlation coefficient
Re	Reynolds Number