

## LAMPIRAN

## Lampiran 1 Konfigurasi model simulasi penjalaran tsunami Lombok Utara skenario 1

```
#####
#
# Control file for COMCOT program (v1.7)
#
#####
#-----1-----2-----3-----4-----5-----6-----7-----8
#=====:=====|
# General Parameters for simulation : value Field |
#=====:=====|
#Job Description: NZ30sec bathymetry, Spherical coordinates for code testing
Total run time (wall clock, seconds) : 1800.000
Time interval to save Data (unit: sec) : 60.0
Output Zmax & TS (0-Max Z;1-Timeseries;2-Both) : 0
Start Type (0-Cold start; 1-Hot start) : 0
Specify Min waterDepth offshore (meter) : 0.00
Initial Cond. (0:FLT,1:File,2:WM,3:LS,4:FLT+LS): 0
Specify BC (0-Open;1-Sponge;2-Wall;3-FACTS) : 0
#=====:=====|
# Parameters for Fault Model (Segment 01) :values |
#=====:=====|
No. of FLT Planes (with fault_multi.ctl if >1) : 1
Fault Rupture Time (seconds) : 0.0
Faulting Option (0: Model; 1- Data;) : 0
Focal Depth (meter) : 14000.000
Length of source area (meter) : 20417.000
width of source area (meter) : 13183.000
Dislocation of fault plate (meter) : 2.500
Strike direction (theta) (degree) : 284.000
Dip angle (delta) (degree) : 64.000
Slip angle (lamda) (degree) : 88.000
Origin of Comp. Domain (Layer 01) (Lat, degree) : -8.544
Origin of Comp. Domain (Layer 01) (Lon, degree) : 115.877
Epicenter: Latitude (degree) : -8.130
Epicenter: Longitude (degree) : 116.409
File Name of Deformation Data : segment_parameter.dat
Data Format option (0-COMCOT; 1-MOST; 2-XYZ) : 2
#=====:=====|
# Configurations for all grids :values |
#=====:=====|
# Parameters for 1st-level grid -- layer 01 :values |
#=====:=====|
Run This Layer ? (0:Yes, 1:No ) : 1
Coordinate System (0:spherical, 1:cartesian) : 0
Governing Equations (0:linear, 1:nonlinear) : 1
Grid Size (dx, sph:minute, cart:meter) : 0.25
Time step (second) : 0.3
Bottom Friction Switch? (0:Yes,1:No,2:var. n) : 0
Manning's Roughness Coef. (For fric.option=0) : 0.013
Layer ouput option? (0:Z+Hu+Hv;1:Z only;2:NONE) : 1
X_start : 115.877
X_end : 117.069
Y_start : -8.544
Y_end : -7.494
File Name of Bathymetry Data : layer01.xyz
Data Format option (0-OLD;1-MOST;2-XYZ;3-ETOPO) : 2
Grid Identification Number : 01
Grid Level : 1
Parent Grid's ID Number : -1
```

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## Lampiran 1 Konfigurasi model simulasi penjalaran tsunami Lombok Utara skenario (lanjutan)

```

=====
# Parameters for sub-level grid -- layer 02 :values |
=====
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Run This Layer ? (0:Yes, 1:No) : 0
Coordinate (0:spherical, 1:cartesian) : 1
Governing Eqn. (0:linear, 1:nonlinear) : 1
Bottom Friction Switch? (0:Yes,1:No,2:var. n) : 0
Manning's Roughness Coef. (For fric.option=0) : 0.013
Layer Ouput option? (0:Z+Hu+Hv;1:Z Only;2:NONE) : 1
GridSize Ratio of Parent layer to current layer : 3
X_start : 116.015
X_end : 116.520
Y_start : -8.385
Y_end : -8.00
FileName of water depth data : layer02.xyz
Data Format Option (0-OLD;1-MOST;2-XYZ;3-ETOPO) : 2
Grid Identification Number : 02
Grid Level : 2
Parent Grid's ID Number : 01
=====
# Parameters for sub-level grid -- layer 03a :values |
=====
Run This Layer ? (0:Yes, 1:No) : 1
Coordinate (0:spherical, 1:cartesian) : 1
Governing Eqn. (0:linear, 1:nonlinear) : 1
Bottom Friction Switch? (0:Yes,1:No,2:var. n) : 0
Manning's Roughness Coef. (For fric.option=0) : 0.013
Layer Ouput option? (0:Z+Hu+Hv;1:Z Only;2:NONE) : 1
GridSize Ratio of Parent layer to current layer : 6
X_start : 116.25
X_end : 116.45
Y_start : -8.27
Y_end : -8.14
FileName of water depth data : layer03.xyz
Data Format Option (0-OLD;1-MOST;2-XYZ;3-ETOPO) : 2
Grid Identification Number : 03
Grid Level : 3
Parent Grid's ID Number : 01
=====
# Parameters for sub-level grid -- layer 03b :values |
=====
Run This Layer ? (0:Yes, 1:No) : 0
Coordinate (0:spherical, 1:cartesian) : 1
Governing Eqn. (0:linear, 1:nonlinear) : 1
Bottom Friction Switch? (0:Yes,1:No,2:var. n) : 0
Manning's Roughness Coef. (For fric.option=0) : 0.013
Layer Ouput option? (0:Z+Hu+Hv;1:Z Only;2:NONE) : 1
GridSize Ratio of Parent layer to current layer : 6
X_start : 116.02
X_end : 116.22
Y_start : -8.38
Y_end : -8.26
FileName of water depth data : layer03.xyz
Data Format Option (0-OLD;1-MOST;2-XYZ;3-ETOPO) : 2
Grid Identification Number : 03
Grid Level : 3
Parent Grid's ID Number : 01
=====

```

## Lampiran 2 Konfigurasi model simulasi penjalaran tsunami Lombok Utara skenario 2

```

=====
# Parameters for Fault Model (Segment 01) :values |
=====
No. of FLT Planes (with fault_multi.ct1 if >1) : 1
Fault Rupture Time (seconds) : 0.0
Faulting Option (0: Model; 1- Data;) : 0
Focal Depth (meter) : 14000.000
Length of source area (meter) : 47863.000
width of source area (meter) : 15849.000
Dislocation of fault plate (meter) : 2.500
Strike direction (theta) (degree) : 284.000
Dip angle (delta) (degree) : 64.000
Slip angle (lamda) (degree) : 88.000
Origin of Comp. Domain (Layer 01) (Lat, degree) : -8.544
Origin of Comp. Domain (Layer 01) (Lon, degree) : 115.877
Epicenter: Latitude (degree) : -8.130
Epicenter: Longitude (degree) : 116.409
File Name of Deformation Data : segment_parameter.dat
Data Format Option (0-COMCOT; 1-MOST; 2-XYZ) : 2
=====
# Configurations for all grids :values |
=====
# Parameters for 1st-level grid -- layer 01 :values |
=====
Run This Layer ? (0:Yes, 1:No ) : 1
Coordinate System (0:spherical, 1:cartesian) : 0
Governing Equations (0:linear, 1:nonlinear) : 1
Grid Size (dx, sph:minute, cart:meter) : 0.25
Time step (second) : 0.3
Bottom Friction Switch? (0:Yes,1:No,2:var. n) : 1
Manning's Roughness Coef. (For fric.option=0) : 0.013
Layer Ouput Option? (0:Z+Hu+Hv;1:Z Only;2:NONE) : 1
X_start : 115.877
X_end : 117.069
Y_start : -8.544
Y_end : -7.494
File Name of Bathymetry Data : layer01.xyz
Data Format Option (0-OLD;1-MOST;2-XYZ;3-ETOPO) : 2
Grid Identification Number : 01
Grid Level : 1
Parent Grid's ID Number : -1
=====
# Parameters for sub-level grid -- layer 02 :values |
=====
Run This Layer ? (0:Yes, 1:No ) : 1
Coordinate (0:spherical, 1:cartesian) : 1
Governing Eqn. (0:linear, 1:nonlinear) : 1
Bottom Friction Switch? (0:Yes,1:No,2:var. n) : 0
Manning's Roughness Coef. (For fric.option=0) : 0.013
Layer Ouput Option? (0:Z+Hu+Hv;1:Z Only;2:NONE) : 1
GridSize Ratio of Parent layer to current layer : 3
X_start : 116.015
X_end : 116.520
Y_start : -8.385
Y_end : -8.00
FileName of water depth data : layer02.xyz
Data Format Option (0-OLD;1-MOST;2-XYZ;3-ETOPO) : 2
Grid Identification Number : 02
Grid Level : 2
Parent Grid's ID Number : 01

```



## Lampiran 2 Konfigurasi model simulasi penjalaran tsunami Lombok Utara skenario 2 (lanjutan)

```

=====
# Parameters for sub-level grid -- layer 03a :values |
=====
Run This Layer ? (0:Yes, 1:No) : 0
Coordinate (0:spherical, 1:cartesian) : 1
Governing Eqn. (0:linear, 1:nonlinear) : 1
Bottom Friction Switch? (0:Yes,1:No,2:var. n) : 0
Manning's Roughness Coef. (For fric.option=0) : 0.013
Layer Ouput Option? (0:Z+Hu+Hv;1:Z Only;2:NONE) : 1
GridSize Ratio of Parent layer to current layer : 6
X_start : 116.25
X_end : 116.45
Y_start : -8.27
Y_end : -8.14
Filename of water depth data : layer03.xyz
Data Format Option (0-OLD;1-MOST;2-XYZ;3-ETOP) : 2
Grid Identification Number : 03
Grid Level : 3
Parent Grid's ID Number : 01
=====
# Parameters for sub-level grid -- layer 03b :values |
=====
Run This Layer ? (0:Yes, 1:No) : 0
Coordinate (0:spherical, 1:cartesian) : 1
Governing Eqn. (0:linear, 1:nonlinear) : 1
Bottom Friction Switch? (0:Yes,1:No,2:var. n) : 0
Manning's Roughness Coef. (For fric.option=0) : 0.013
Layer Ouput Option? (0:Z+Hu+Hv;1:Z Only;2:NONE) : 1
GridSize Ratio of Parent layer to current layer : 6
X_start : 116.02
X_end : 116.22
Y_start : -8.38
Y_end : -8.26
Filename of water depth data : layer03.xyz
Data Format Option (0-OLD;1-MOST;2-XYZ;3-ETOP) : 2
Grid Identification Number : 03
Grid Level : 3
Parent Grid's ID Number : 01
=====

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