

DAFTAR PUSTAKA

- Agus, F. K. Subagyo dan Van Der Poel. 1997. Menuju Pendugaan Erosi Distributif, Kendala dan Peluangnya. *Proseding. Pembahasan dan Komunikasi Hasil Penelitian Tanah dan Agroklimat*. Bogor.
- Ahmad, Al –Smadi Mohamad. 2007. *Area Modelling of Erosion for Enviromental Non point Aplcation(AMEENA)*. Virginia: Desertation Faculty of Virginia Polytechnic Institute and State University.
- Andrew, A. Millward, Janet E. Mersey. 1999. *Adapting The RUSLE to Model Soil Erosion Potential in a Mountainous Tropical Watershed*. Canada : Departement of Geography University of Waterloo.
- Arsyad, Sitanala. 1989. *Konservasi Tanah Dan Air*. Bogor : IPB Press.
- Arsyad, Sitanala. 2000. *Konservasi Tanah dan Air*. Bogor : IPB Press.
- Asdak, C. 2004. *Hidrologi dan Pengelolaan Daerah Aliran Sungai*. Yogyakarta : Gadjah Mada University Press.
- Asdak, C. 2007. *Hidrologi dan Pengelolaan Daerah Aliran Sungai*. Yogyakarta : Gadjah Mada University Press.
- Bennet. 1955. *Elements Of Soil Conservation*. Tokyo: McGraw-Hill Book Company.
- Beasley, D.B., Huggins, L.F. 1991. ANSWERS (Areal Nonpoint Source Watershed Environment Response Simulation) User's Manual. Publication No. 5. *Agricultural Engineering*, University of Georgia-CPES, Tifton, GA.
- Beasley, D.B., Huggins, L.F., Monke, E.J., 1980. ANSWERS: A model for watershed planning. *Transactions of the ASAE*. 23 (4), 938–944.
- Bergsma, Geldor, Imeson, Kwaad, Mucher, Riezebos, Seyhan, Van Zon., 1981. *Geomorphological Part A : Measuring Methods and Survey of Rainwater Erosion*. Netherrlands : ITC.
- Blangco Humberto, Lal, Rattan. 2008. *Principles Of Soil Conservation and Management*. Columbus USA : Springer.
- Brady, N.C. 1974. *The Nature and Properties of Soils*. New York : MacMillan Publishing CO., Inc.
- Brooks , Mariana Dobre , William J. Elliot, Joan Q. Wu, Jan Boll. 2016. *Watershed-scale evaluation of the Water Erosion Prediction Project (WEPP) model in the Lake Tahoe basin*. USA : Elsevier.
- C. Alcantra,A. Pujadas, M. Saavendra. 2011. *Management of cruciferious cover crops by mowing for soil and water Conservation in Southern Spain*. USA : Elsevier Journal.
- C. Saba, Károly Barta, Gergely Jakab, Zoltán Szalai and Zsolt Bíró 2009. *Comparation of EUROSEM, WEPP and MODRUSH Model Calculation Mesuared Runoff and Soil Loss in Hongaria* . Werinheim : Willy- Inter Science
- Crosetto, Fernando Perez Aragues. 2000. Radargrametry and SAR Interforometry for DEM Generation : Validation and data Fusion . *Proseding of The COA SAR Workshop* : Eoropean Space Agency.



- Dachi Mao Dazhi Mao, Keith A. Cherkauer and Dennis C. Flanagan . 2010. Development of a Coupled Soil Erosion and Large Scale Hydrology Modelling System. US : *Water Resources Research* Vol 46.
- De Roo. A.P.J. 1993. *Validation of The ANSWERS Catchment Model For Runoff and Soil Erosion Simulation in Catchments in the Netherland and the United Kingdom*. Netherland : University of Utrecht.
- Ditjen RLPS. 2008. *Monitoring Tata Air-SPAS Tahun 2008. Sub DAS Hulu Brantas*. Surabaya : DAS Brantas.
- . 2009. *Monitoring Tata Air-SPAS Tahun 2009. Sub DAS Hulu Brantas*. Surabaya : DAS Brantas.
- Dradjad M. 1982. *Prosedur Standar Pengawetan Tanah dan Air*. Yogyakarta : Fakultas Pertanian UGM.
- Dradjad, Soeprapto Soekadarmodjo, Bambang Hendro Sunarminto, Afandie Rosmarkam. 1985. Laju Erosi Yang Wajar di Indonesia. Bogor : *Makalah Kongres Nasional HITI ke V IPB*.
- Enyew Adgo, Akalu Teshome, Bancy Mati. 2013. *Impects of long term soil and water Conservation on agricultural prductivity : The case of Anjenie watershed, Ethiopia*. USA : *Elsevier journal*.
- Elena A More, Carlo Modica, Mark. 2004. *Scale Effect in USLE and WEPP Application for Soil Erosion Computation from Three Sicilian basins*. Italy : Departement Civil and Enviroment Engineering University of Catanie, Viale.
- El-swaify S.A, E.W. Dangler, and C.L. Armstrong. 1982. *Soil Erosion by Water in The Tropic*. Honolulu : University of Hawaii.
- Flanagan.D.C and M.A Nearing. 1995. *USDA- Water Erosion Prediction Project Hillslope Profile and Watershed Model Documantation*. Indiana : USDA-ARS National Soil erosion Research Laboratory.
- Flanagan, D.C., Nearing, M.A., Norton, L.D. 2002. *Soil Erosion by Water Prediction Technology Developments in the United States In Modelling Erosion, Sediment Transport and Sediment Yield*. Paris: UNESCO Technical Document in Hidrology.
- Flanagan, J.E.Gilley, and T.G.Franti. 2007. *Water erosion Project (WEPP) Development History, Model capabilities and Future Enhacements*. US : ASABE.
- Flanagan, C. Huang, D.R. Smith, and G.C. Heathman. 2012. *Model Development and Application at The USDA –ARSThe Nationak Soil Erosion Research Laboratory*. USA : USDA.
- Fengpeng Han, Lulu Ren, Xingchang Zhang, Zhanbin Li. 2016. *The WEPP Model Aplication in a Small Wathershed in the Loess Plateou*. China : Plos-One.
- Foster G.R., D.C Flanagan, M.A. Nearing, L.J. Jane. 1995. *Hillslope Erosion Component*. Indiana : USDA-ARS National Soil erosion Research Laboratory
- Fu Baihua, Lachlan T.H, dan C.E Ramos-Scharron. 2010. A Review of Surface Erosion and Sediment Delivery Model for Unsealed Roads. USA : *Elsevier Journal*.
- Hafifah, Sudiarso, M.D. Maghfoer, B. Prasetya. 2016. The potential of *Tithonia diversifolia* green manure for improving soil quality for cauliflower

- (*Brassica oleracea* var. *Brotrytis* L.) Jakarta : Journal of Degraded and Mining Land Management.
- Hardiyatmo Hary Christady. 2006. *Penanganan Tanah longsor dan Erosi*. Yogyakarta : Gadjah Mada University Press.
- Harmon Russel, S., and Doe, William W. Eds. 2001. *Landscape Erosion and Evolution Modelling*. New York: Kluwer Academic/Plenum Publisher.
- He Chansheng. 2002. Integration of Geographic Information Systems and Simulation Model For Watershed Management. USA : Elsevier.
- Hua Lu. 2004. Modelling Sediment Delivery Ratio Over Murray Darling Basin. Canberra : *CSIRO Land and water*.
- Humberto Blanco and Lal. 2008. Principles of Soil Conservation and Management. Colombus USA : *Springer*.
- ICRAF (International Center for Research AgroForestry). 2001. Modelling Erosion at Different Scales, Case Study in The Sumber Jaya Watershed, Lampung, Indonesia. *Bogor. 84p Internal Report (Unpublished)*.
- Jaramillo Fernando. 2007. *Estimating and modeling soil loss and sediment yield in the Maracas-St. Joseph River Catchment with empirical models (RUSLE and MUSLE) and a physically based model (Erosion 3D)*. Montreal : Thesis Civil and Environmental Engineering Department McGill University.
- J.M. Wicks, J.C. Bathurst. 1995. *SHESED : Aphysically based Distribution Erosin and Sediment Yield Component for The SHE Hydrological Modelling System*. New Castle : Departement Of Civil Engineering University of New Castle.
- Kartasapoetra. 1988. *Pengantar Ekonomi Produksi Pertanian*. Jakarta : Bina Aksara.
- Kartasapoetra, A.G. Kartasapoetra dan Mul Mulyani Sutedjo. 1987. *Tehnologi Konservasi Tanah dan Air*. Jakarta : PT. Bina Aksara.
- K.G. Renard, G.R. Foster, G.A. Weesies, D.K. McCool and D.C Yoder. 1996. *Prediction Soil Erosion by Water: A Guide to Conservation Planning With the Revised Universal Soil Loss Equation (RUSLE)*. Washington : USDA-ARS.
- Kim Hyeon Sik. 2006. Soil Erosion Modelling Using USLE and GIS on The Imha Watershed, South Korea. Colorado : *Thesis* Departement of Civil Engineering Colorado State University.
- Kurnia, U. 1997. *Pendugaan Erosi dengan Metode USLE : Kelemahan dan Keunggulan*. Bogor : Lokakarya Penetapan Pendugaan Erosi Tanah IPB.
- Lal, R. 1988. *Soil Erosion by Wind and Water: Problems and Prospects. Pp 1-6. In R. Lal ed Soil Erosion Research Methods*. Ankey Iowa : Soil and water Conservation Society.
- Linda Pieria, Marco Bittellia, Joan Q. Wu. , Shuhui Dunb, Dennis C. Flanagan, Paola Rossi Pisaa, Francesca Venturaa, Fiorenzo Salvatorellia. 2007. Using the Water Erosion Prediction Project (WEPP) model to simulate field-observed runoff and erosion in the Apennines mountain range, Italy. *Journal of Hydrology vol 336* : Elsevier.
- Linsley, R.K., Kohler. M.A., Phaulus.J.L. 1982. *Hydrology for Engineers, Third Edition*. Amerika: MCGraw-Hill.



- Mark Vincent A, A Clutario and Carlos P. 2014. Event-based soil erosion estimation in tropical watershed. Iran : *International Journal of Forest, soil and erosion (IJFSE)*.
- Morgan, R.P.C. 1979. *Soil Erosion. Topic : Applied Geography* . USA : Longman.
- Morgan, R.P.C. 2005. *Soil Erosion and Conservation*. USA : Blackwell Publishing.
- Moriasi DN, Arnold JG, Van Liew MW, Bingner RL, Harmel RD, Veith TL. 2007. *Model Evaluation Guidelines for Systematic Quantification of Accuracy in Watershed Simulations*. Transactions of the ASABE. 50 (3):885-900.
- M.Ebrahimpour, S.K.Balasundram, J.Talib,A. R. Anuar1 and H. Memarian. 2011. *Accuracy of GeoWEPP in Estimating Sediment Load and Runoff from a Tropical Watershed*. Malaysia : Malaysia journal Science.
- Nash, J. E. and J. V. Sutcliffe. 1970. River flow forecasting through conceptual models part I — A discussion of principles. *Journal of Hydrology*, 10 (3), 282–290.
- Nearing, L.Deer-Ascough and J.M Laflen. 1990. *Sensitivity Analysis of The WEPP Hilslope Profile Erosion Model*. Mochigan : ASABE.
- Pipkin,B.. Trend,D.D., Hazlett,R and Bierman.2006. *Geology and The Enviroment*. California : Thomson.
- R.A. Cecílio, R.G. Rodriguez, L.G.N. Baena, F.G. Oliveira, F.F. Pruski, A.M. Stephan and J.M.A. Silva. 2004. Analysis of The RUSLE and WEPP Model for a Small Wathershed Located in Vicosa, Minasgerais State, Brazil. *International Soil Conservation Organisation Conference*. Brisbane : ISCO 2004 - 13th.
- Rahmawati Awalia, 2007. Studi model WEPP Untuk prediksi Limpasan, Erosi, dan Sedimen di Sub DAS Brantas Hulu. Malang : *Thesis Program studi Teknik Sipil Minat Teknik Sumberdaya Air UNIBRAW*.
- Rahim, Sufli Efendi. 2000. *Pengendalian Erosi Tanah Dalam Rangka Pelestarian Lingkungan Hidup*. Jakarta: Bumi Aksara.
- RLKT Malang. 1997. Kondisi Fisik DAS Brantas Hulu. *Laporan Tahunan*.
- Roux Jacobus Johannes Ie. 2005. Soil Erosion Prediction Under Changing Land Use on Mauritius. Pretoria : *Thesis University of Pretoria*.
- Risse, L.M, M.A. Nearing, A.D. Nicks and J.M. Laflen. 1993. Error Assessment in the Universal Soil Loss Equation. *Soil, Soc. Am.J* 57 : 825-833.
- Romero, Stroosnijde, Baigorria. 2006. *Interrill and rill erodibility in the northern Andean Highlands*. US : Elsevier. ASABE, 50 (3), 885–900.
- Roux Jacobus Johannes. 2005. Soil Erosion Under Changing Land Use On Maritius. Pretoria : *Thesis Departement of Geogaphy, University Pretoria*.
- Saavendra Carlos. 2005. Estimating Spatial Patterns of Soil Erosion and Deposition in The Andean Region Using Geo Information Technique a Case Study in Conchabamba, Bolivia. Netherrlands : *Desertation ITC*.
- S. B. Mwango, B. M. Msanya, P. W. Mtakwa, D. N. Kimaro, J. Deckers, J. Poesen, S. Lilanga and R. Sanga. 2015. Soil Loss due to Crop Harvesting in Usambara Mountains, The Case of Carrot, Onion and Potato. Tanzania: *International Journal of Plant & Soil Science*.



- Schunoor. 1996. Model Calibration and Paraeter Estimation for Enviroment and Water Resources System. New York : *Springer*.
- Schwab, G.O., Fangemeier, D.D., Elliot, W.J., and Frevert, R.K. |1992. *Soil and Water conservation Engineering*. New York : John Wiley & Sons.
- Seta Ananto Kusuma. 1987. *Konservasi Sumberdaya Tanah dan Air*. Jakarta : Kalam Mulia.
- Seta, Ananta Kusuma. 1991. *Konservasi Sumberdaya Tanah Dan Air*. Jakarta: Kalam Mulia.
- Shen, Yongwei Gong, Yanhong Li, Ruimin Liu. 2009.A compration of WEPP and SWAT for modeling soil erosion of the Zhangjiachong Watershed in Three Gorges Reservoir area. *Agricultural Water Management* : Elsevier.
- Sinukaban N. 1995. *Manajemen/Pengelolaan Daerah Aliran Sungai*. Bandung : Puslitbang PU.
- Stocking Michael. 1995. *Soil Erosion and Land Degradation*. Singapore : Longman Scientific and Technical.
- Suhartanto, E., B.I. Setiawan, S. Hardoamidjojo dan L.B. Prasetyo. 2003. Teknik Pendugaan Erosi untuk Konservasi Sumbaerdaya Air menggunakan Sistem Informasi Geografi: Studi Kasus DAS Cidanau, Kabupaten Serang, Banten. *Prosiding Seminar 'Water for Future'*. Hari Air Sedunia 2003. Jakarta Maret 2003. Hal: ST-I-74~85
- Suhartanto,E., Slamet Suprayogi, B.I.Setiawan,. L.B. Prasetyo and S.Takeuchi.2003. *The Design of Critical Land Zone Using Geographical Information System in Cidanau Watershed*.
- Suhartanto, E, dkk.2004. Pendugaan Runoff, Erosi, dan Sedimentasi Berbasis Model Hidrologi WEPP di Sub DAS Ciriung, DAS Cidanau. Bogor : *Jurnal Keteknikan Pertanian IPB*.
- Summer Wolfgang and Desmond E Walling.2007. *Modelling Erosion Sediment Transport and sediment yield*. Paris : International Hydrological Programme. UNESCO.
- Sundborg, A. 1982. *Sedimentation Problems in River Basin. UNESCO Studies and Report in Hydrology No. 35*. Paris France : UNESCO Division of Water Sciences.
- Suratman. 2002. Studi Erosi Parit dan Longsoran Dengan Pendekatan Geomorfologis di Daerah liran Sungai Oyo, Propinsi Daerah Istimewa Yogyakarta. Yogyakarta : *Disertasi UGM*.
- Suripin. 2002. *Pelestarian Sumber Daya Tanah dan Air*. Yogyakarta :Penerbit Andi.
- Suripin. 2004. *Pelestarian Sumber Daya Tanah dan Air*. Yogyakarta :Penerbit Andi.
- Seyed H.S, Takahisa Mizuyama, and Babak Ghaderi Vangah. 2007. Conformity of MUSLE Estimates and Erosion Plot Data for Storm-Wise Sediment Yield Estimation. *Terr. Atmos. Ocean. Sci.*, Vol. 18, No. 1.
- Takahiro Shiono, Azuma Takagi, Chikara Ogura and Ken-Ichora Kamimura.2001. Influence of Cabbage Growth on Ridge Erosion. USA : USDA-ARS.
- Thornbury, 1958. *Principles of Geomorphology*. New York : Wiley and Sons.
- Tiwari, A.K., Risse, I.M., Nearing, M.A.. 2000. *Evaluation of WEPP and Its Comparison With USLE and RUSLE*. US : ASAE.



- Troeh, F.R., Hobbs, J.A. and Donahue, R.L. 1980. *Soil and water conservation for productivity and environmental protection*. Prentice-Hall, Inc., New Jersey
- Troeh, F.R., Hobbs, J.A. and Donahue, R.L. 2004. *Soil and Water Conservation for Productivity and Environmental Protection*. New Jersey : Prentice-Hall
- Tjwan, K. B. 1968. *Buku Pengantar Ilmu Tanah*. Bogor: Percetakan IPB.
- Utomo, H.N. 1989. *Konservasi Tanah di Indonesia Suatu Rekaman dan Analisa*. Jakarta : CV Rajawali.
- Utomo Wani, 1994. *Erosi dan Konservasi Tanah*. Malang : IKIP Malang.
- USDA. 1996. *Predicting Soil Erosion by Water : A Guide to Conservation Planning With the Revised Universal Soil Loss Equation (RUSLE)*. USA : Departement of Agriculture.
- Van Zuidam. R. A. 1983. *Guide to Geomorphology Aerial Photographic Interpretation and Mapping*. Nederland : ITC Enschede.
- Zuidam Van, R.A., F. And Cancelado, I. 1979. *Terrain analysis and classification using aerial photographs. A geomorphological approach*. ITC Textbook of Photo-interpretation 7(6): 1-310, ITC, Enschede.
- Van Olm, P.W. 1981. *Measuring Methods and Survey of Running Water Erosion*. Netherland. Geomorfologische Kring KNGMG.
- Wiersum K.F. 1979. *Intruduction to Prinsiples of Forest Hydrology and Erosion*. Bandung : Lembaga Ekologi UNPAD.
- Wischmeier, W. H. (1976). The use and misuse of the universal soil loss equation, *Journal of Soil and Water Conservation*, 31(1), 5—9.
- Weischmeier, W.H and Smith, D.D. 1978. *Prediction Rainfall Erosion Losses. A Guide to Conservation Planning*. Agriculture Handbook 537. Washington D.C : U.S Departement of Agriculture.
- Wudianto Rini. 2000. *Mencegah Erosi*. Jakarta : PT. Penebar Swadaya.
- Xu Jianchu, Ai Xihui, Deng Xiqing. 2005. Exploring the spatial and temporal dynamics of land use in Xizhuang watershed of Yunnan, southwest China. China : Elsevier.
- Yüksel, Alaaddin, Abdullah E. Akay, Recep Gundogan, Mahmut Reis and Muzaffer Cetiner. 2008. Application of WEPP for Determining Sediment Yield and Runoff in the Orcan Creek Watershed in Kahramanmaras. *Proceeding*. Turkey: *International Congress of River Basin Management*.