

DAFTAR ISI

HALAMAN PENGESAHAN	Error! Bookmark not defined.
HALAMAN PERNYATAAN.....	Error! Bookmark not defined.
HALAMAN PERSEMBAHAN	Error! Bookmark not defined.
KATA PENGANTAR	Error! Bookmark not defined.
DAFTAR GAMBAR	iii
DAFTAR TABEL	iv
INTISARI.....	Error! Bookmark not defined.
BAB I	Error! Bookmark not defined.
PENDAHULUAN	Error! Bookmark not defined.
1.1 Latar Belakang.....	Error! Bookmark not defined.
1.2 Permasalahan.....	Error! Bookmark not defined.
1.3 Tujuan	Error! Bookmark not defined.
1.4 Manfaat	Error! Bookmark not defined.
BAB II.....	Error! Bookmark not defined.
TINJAUAN PUSTAKA.....	Error! Bookmark not defined.
2.1 Pengelolaan Daerah Aliran Sungai (DAS).....	Error! Bookmark not defined.
2.2 Erosi.....	Error! Bookmark not defined.
2.3 Penutupan Kanopi.....	Error! Bookmark not defined.
2.4 Model Pendugaan Erosi	Error! Bookmark not defined.
2.5 Model <i>Soil And Water Assessment Tool</i> (SWAT).....	Error! Bookmark not defined.
BAB III.....	Error! Bookmark not defined.
METODE PENELITIAN	Error! Bookmark not defined.
3.1 Lokasi dan Waktu Penelitian.....	Error! Bookmark not defined.
3.2 Alat dan Bahan Penelitian	Error! Bookmark not defined.
3.3 Metode Pengumpulan Data	Error! Bookmark not defined.
3.4 Prosedur Pengambilan Data	Error! Bookmark not defined.
3.4.1 Penutupan Kanopi.....	Error! Bookmark not defined.
3.5 Metode Analisis Data.....	Error! Bookmark not defined.

3.5.1 Analisis Debit Aliran Sungai.....	Error! Bookmark not defined.
3.5.2 Tahap Pemasukkan Data Arc SWAT ...	Error! Bookmark not defined.
3.5.3 Pengolahan Data Arc SWAT	Error! Bookmark not defined.
3.5.4 Penutupan Kanopi.....	Error! Bookmark not defined.
BAB IV	Error! Bookmark not defined.
DESKRIPSI WILAYAH PENELITIAN	Error! Bookmark not defined.
4.1 Lokasi Penelitian	Error! Bookmark not defined.
4.2 Penggunaan Lahan.....	Error! Bookmark not defined.
4.3 Kemiringan Lereng	Error! Bookmark not defined.
4.4 Jenis Tanah.....	Error! Bookmark not defined.
4.5 Iklim.....	Error! Bookmark not defined.
BAB V.....	Error! Bookmark not defined.
HASIL DAN PEMBAHASAN	Error! Bookmark not defined.
5.1 Deliniasi Sub Das	Error! Bookmark not defined.
5.2 Pembentukan Dan Pendefinisian HRU .	Error! Bookmark not defined.
5.3 Pendefinisian Data Iklim.....	Error! Bookmark not defined.
5.4 Simulasi Model SWAT	Error! Bookmark not defined.
5.5 Kalibrasi.....	Error! Bookmark not defined.
5.6 Validasi	Error! Bookmark not defined.
5.7 Analisis Hidrologi.....	Error! Bookmark not defined.
5.8 Sebaran Penutupan Kanopi	Error! Bookmark not defined.
5.9 Analisis Erosi	Error! Bookmark not defined.
5.10 Skenario Penerapan KTA.....	Error! Bookmark not defined.
BAB VI	Error! Bookmark not defined.
KESIMPULAN DAN SARAN	Error! Bookmark not defined.
6.1 Kesimpulan.....	Error! Bookmark not defined.
6.2 Saran	Error! Bookmark not defined.
DAFTAR PUSTAKA	Error! Bookmark not defined.

DAFTAR GAMBAR

No	Hal
1. Desain Plot (Dharmawan dan Pramudji, 2014)	Error! Bookmark not defined.
2. Tampilan menu <i>Watershed Deliniation</i> (Analisis data, 2020)	Error! Bookmark not defined.
3. Tampilan Menu Pembentukan dan Pendefinisian HRU (Analisis data, 2020)	Error! Bookmark not defined.
4. Tampilan menu <i>Weather Generator</i> (Analisis data, 2020)	Error! Bookmark not defined.
5. Tampilan menu Write Input Tables (Analisis data, 2020)	Error! Bookmark not defined.
6. Tampilan menu Run SWAT (Analisis data, 2020)	Error! Bookmark not defined.
7. Tampilan <i>tools manual calibration</i> (Analisis data, 2020).....	Error! Bookmark not defined.
8. Diagram alir penelitian.....	Error! Bookmark not defined.
9. Peta penggunaan lahan Sub DAS Samin.....	Error! Bookmark not defined.
10. Peta kelas kemiringan lereng Sub DAS Samin.....	Error! Bookmark not defined.
11. Peta jenis tanah Sub DAS Samin	Error! Bookmark not defined.
12. Curah hujan rata-rata tahunan (2014 – 2018)	Error! Bookmark not defined.
13. Peta hasil deliniasi Sub DAS Samin	Error! Bookmark not defined.
14. Peta HRU (Hydrologic Response Unit) Sub DAS Samin	Error! Bookmark not defined.
15. Grafik regresi linier debit simulasi dan debit observasi setelah dilakukan kalibrasi	Error! Bookmark not defined.
16. Grafik fluktuasi debit bulanan simulasi dan debit observasi setelah dilakukan kalibrasi	Error! Bookmark not defined.
17. Grafik fluktuasi debit bulanan simulasi dan debit observasi setelah dilakukan validasi	Error! Bookmark not defined.
18. Simulasi Neraca Air SWAT Check	Error! Bookmark not defined.
19. Peta sebaran titik pengambilan data penutupan kanopi di lapangan.....	Error! Bookmark not defined.
20. Foto contoh hasil estimasi penutupan kanopi.	Error! Bookmark not defined.
21. Histogram NDVI citra landsat 8 Sub DAS Samin.....	Error! Bookmark not defined.
22. Persentase luas area masing-masing kelas penutupan kanopi	Error! Bookmark not defined.
23. Peta penutupan kanopi Sub DAS Samin	Error! Bookmark not defined.

24. Rata-rata erosi pada setiap penggunaan lahan Sub DAS Samin..... **Error! Bookmark not defined.**
25. Bentuk kegiatan pembersihan bawah tegakan dan penanaman di bawah tegakan **Error! Bookmark not defined.**
26. Penampakan bawah tegakan hutan **Error! Bookmark not defined.**
27. Rata-rata erosi pada setiap kelas kemiringan . **Error! Bookmark not defined.**
28. Rata-rata erosi pada setiap jenis tanah **Error! Bookmark not defined.**
29. Tingkat Bahaya Erosi (TBE) Sub DAS Samin **Error! Bookmark not defined.**
30. Peta Tingkat Bahaya Erosi (TBE) Sub DAS Samin **Error! Bookmark not defined.**
31. Bentuk Penerapan Teras Bangku di Sub DAS Samin... **Error! Bookmark not defined.**
32. Peta TBE setelah penerapan skenario KTA ... **Error! Bookmark not defined.**

DAFTAR TABEL

No	Hal
1. Alat Untuk Pengolahan Data	Error! Bookmark not defined.
2. Daftar Data Sekunder Beserta Sumber Data ..	Error! Bookmark not defined.
3. Format Tabel Lokasi Stasiun Curah Hujan	Error! Bookmark not defined.
4. Format Tabel Curah Hujan Harian Masing-masing Stasiun	Error! Bookmark not defined.
not defined.	
5. Format Tabel Lokasi Stasiun Iklim.....	Error! Bookmark not defined.
6. Format Tabel Temperatur Udara	Error! Bookmark not defined.
7. Parameter <i>Input Weather Generator</i>	Error! Bookmark not defined.
8. Format Tabel <i>Weather Generator</i>	Error! Bookmark not defined.
9. Nilai Parameter R^2	Error! Bookmark not defined.
10. Nilai Parameter NSE	Error! Bookmark not defined.
11. Klasifikasi Penutupan Kanopi	Error! Bookmark not defined.
12. Penggunaan lahan Sub DAS Samin	Error! Bookmark not defined.
13. Kelas kemiringan lereng Sub DAS Samin	Error! Bookmark not defined.
14. Jenis tanah Sub DAS Samin	Error! Bookmark not defined.
15. HRU dominan di Sub DAS Samin.....	Error! Bookmark not defined.
16. Parameter kalibrasi.....	Error! Bookmark not defined.
17. Penutupan kanopi Sub DAS Samin	Error! Bookmark not defined.
18. Tingkat Bahaya Erosi (TBE) Sub DAS Samin	Error! Bookmark not defined.
defined.	
19. Perubahan TBE sebelum penerapan skenario KTA dan sesudah penerapan KTA	Error! Bookmark not defined.



Pendugaan Erosi Menggunakan Model Soil And Water Assessment Tool (SWAT) Di Sub DAS Samin Kabupaten

Karanganyar Dan Sukoharjo Jawa Tengah

HAYUN NASTA SYAHDIBA, Dr. Ir. Ambar Kusumandari, MES.

Universitas Gadjah Mada, 2020 | Diunduh dari <http://etd.repository.ugm.ac.id/>