

POLDER TAMBAK ANYAR, EVALUASI SISTEM TATA AIR POLDER DI LAHAN RAWA LEBAK

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Pendahuluan

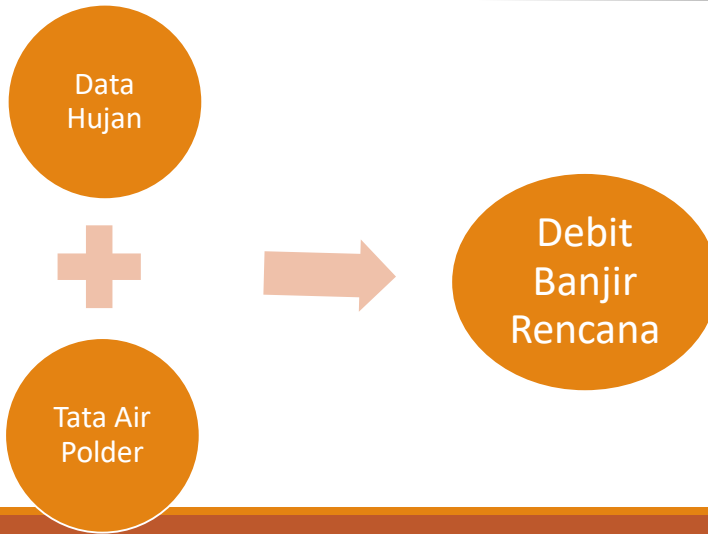
Jan 2021



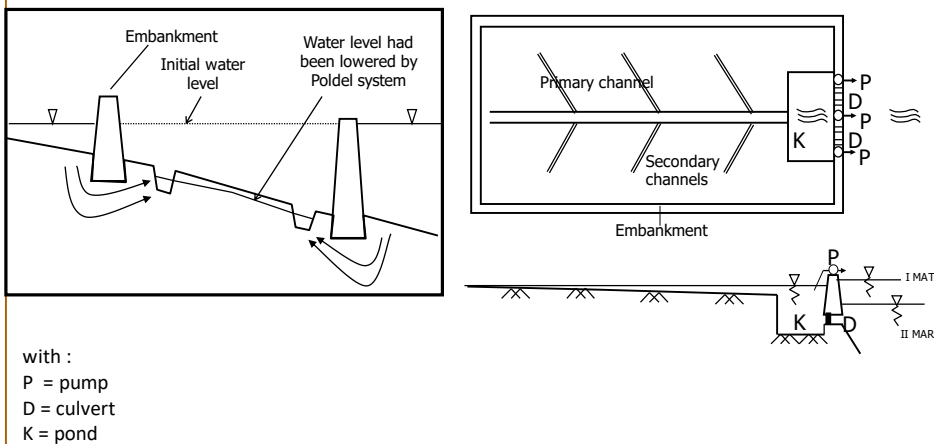
Bencana Banjir di Kalimantan Selatan, yang terbesar di Kabupaten Banjar

Tambak Anyar merupakan daerah yang rutin tergenang

Tujuan Penelitian



Polder System Design



Kondisi Polder Tambak Anyar saat ini

Sungai Meluap

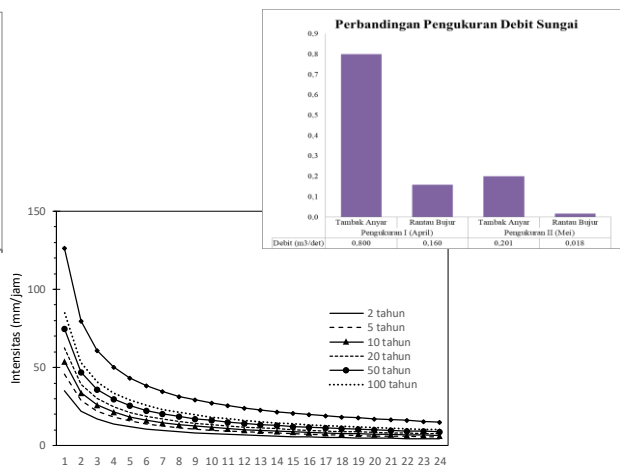
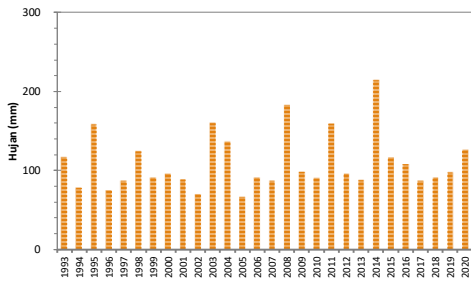


Sawah tergenang

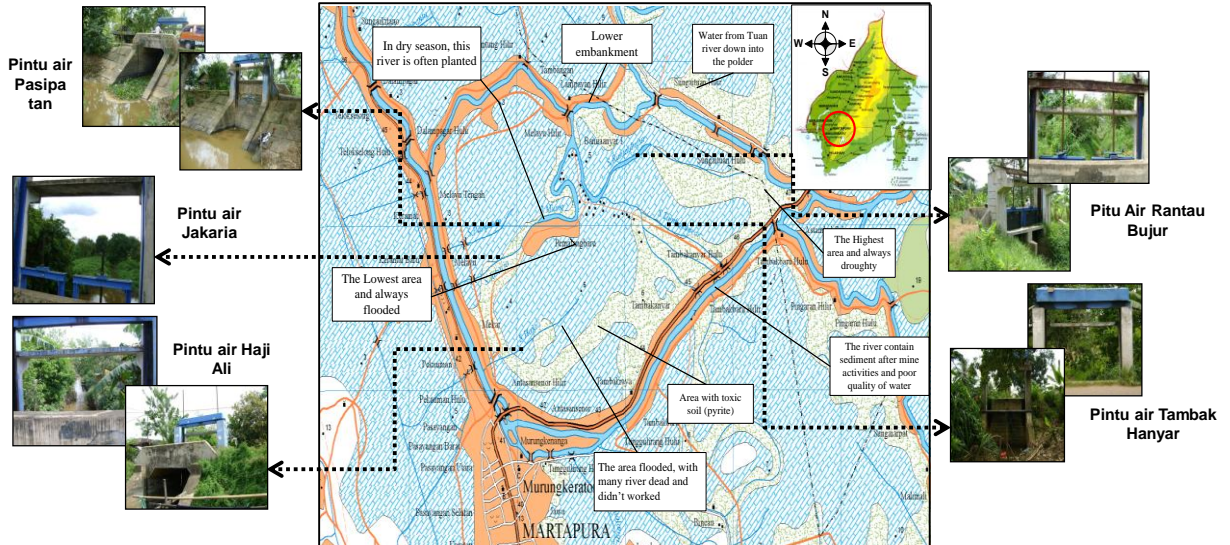
Tata Saluran di Polder Tambak Anyar



Hasil Analisis data Hujan dan Saluran



Hasil dan Pembahasan



KESIMPULAN

1. saluran yang ada saat ini masih tidak mencukupi baik saluran pembawa maupun saluran pembuang.
2. Kerusakan tanggul dan tidak berfungsinya pintu air juga merupakan permasalahan yang menyebabkan fungsi polder sebagai tempat pengaturan air tidak berfungsi dengan baik.

PENELITIAN DOSEN WAJIB MENELITI

Penelitian ini merupakan salah satu bagian dari luaran Hibah Penelitian Dosen Wajib Meneliti

Judul : **EVALUASI KINERJA POLDER RAKYAT TAMBAK ANYAR BERBASIS SISTEM TATA AIR DAN NERACA AIR**

Anggota Peneliti

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Bidang Fokus : Pengelolaan SDA, Lingkungan dan Bencana

Klaster Penelitian: Madya

LUARAN

Luaran dari penelitian ini adalah

1. Jurnal 1 terindeks DOAJ

[A Study of Flood Disaster Mitigation at the Tambak Anyar Traditional Polder in Banjar Regency South Kalimantan | Novitasari | Journal of Wetlands Environmental Management \(ulm.ac.id\)](#)

2. Proseding nasional seminar lahan basah LPPM ULM 2021

3. Video

- <https://youtu.be/GrStsjd-44M>

4. Modul ajar pada matakuliah Sistem Drainase di Fakultas Teknik ULM.

5. Poster

Jurnal JWEM Volume 9 No 2 tahun 2021

The screenshot shows the JWEM website interface. The header includes the journal title, ISSN numbers (P-ISSN 2354-5844, E-ISSN 2477-5223), and SINTA 2 ranking. The main content area displays the article title, author name (Novitasari), and an abstract. The abstract discusses the traditional polder system in Banjar Regency, South Kalimantan, and its role in flood mitigation. It mentions that the polder is flooded almost every year and that the research aims to evaluate dependable discharge that can be supported by the river capacity inside the polder for flood mitigation. The abstract also notes that the maximum dependable flow (Q_{20%}) observed is 8.89m³/s in the last period of January, and the minimum dependable flow (Q_{80%}) is 1.37 m³/s in the 2nd period of September. The discharge entering the polder is quite large, the capability of Tambak Anyar River as a conveyer channel only can collect 29.74% from the dependable discharge, while the Bantau Bujur River only can accommodate 7.49% in April. In May, Tambak Anyar River's capability can only collect 17% from the dependable discharge, while the Bantau Bujur River can only accommodate 0.81%. The amount of discharge cannot be supported by the conveyer river inside the polder. The paddy fields in the Tambak Anyar polder often overflow caused by excess water. This excess of water caused floods that inundated the polder area and the other areas in Banjar Regency as of the beginning of January 2021. The amount of water that has access to the polder is not counterbalanced by watergates facilities and infrastructure management.

KEYWORDS

ABOUT THE AUTHORS
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 Universitas Lambung Mangkurat
 Indonesia
 Engineering Faculty

Video

Poster

Modul ajar

Evaluasi Kinerja Polder Rakyat Tambak Anyar Berbasis Sistem Tata Air dan Neraca Air

MINISTRY OF EDUCATION AND CULTURE
LAMBUKANGKURAT UNIVERSITY
ENGINEERING FACULTY

EVALUASI KINERJA POLDER RAKYAT TAMBAK ANYAR BERBASIS SISTEM TATA AIR DAN NERACA AIR

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Polder is a swampy area with the kind of non-tidal system. In low-land area can be flooded due to rise because of river overflow. The area revealed on by biological region from water outside. The polder area can be used for Polder Polder is a low polder in South Sumatera with an area of 1474 ha and polder area is 1000 hectares that is in Asamkang District and Mempura have along 15 km. This polder equipped with gates and channels, built by these management will build together by people living in and around polder.

Technical Aspects

This research focuses on the polder management by the community. The goal of community involvement is to encourage the management of polder for the benefit of the community. The goal is to build community participation in the polder. Methodology that used in this research includes questionnaire, observation, focusing local government officials and other stakeholders in some of community. **Abstract**

New Technical Aspects

Irrigation Area Concept for Tambak Menger Polder

Program	Organisasi	Manajemen	Reaksi
1.1.1	1.1.1.1	1.1.1.1.1	1.1.1.1.1
1.1.2	1.1.2.1	1.1.2.1.1	1.1.2.1.1
1.1.3	1.1.3.1	1.1.3.1.1	1.1.3.1.1
1.1.4	1.1.4.1	1.1.4.1.1	1.1.4.1.1
1.1.5	1.1.5.1	1.1.5.1.1	1.1.5.1.1
1.1.6	1.1.6.1	1.1.6.1.1	1.1.6.1.1
1.1.7	1.1.7.1	1.1.7.1.1	1.1.7.1.1
1.1.8	1.1.8.1	1.1.8.1.1	1.1.8.1.1
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1.1.100	1.1.100.1	1.1.100.1.1	1.1.100.1.1

The results of this research had developed 2 scenarios for problem solving in technical aspect a aspect. Technical aspects showed that generally some redesign have to be done to improve polder in irrigation water system. Conclusions of technical aspects are repairing gate and tertiary channels, and upgrading pump system. New technical aspects showed that some technical knowledge about the importance of participation in the development Tambak Menger Polder, where the polder conditions can be used for reward learning of the development of agriculture, crop and fish farms in the polder to solve problems.

Funded by the National Sector Capacity Building Network (NSCBN Project)

SISTEM DRAINASE: Drainase Berwawasan Lingkungan dan Drainase Khusus Rawa

Terimakasih