

Press Release

UNSRAT Implements Blockchain to Ensure Integrity of Academic Records

UNSRAT working with blockchain technology company ChainSmart, is the first university in Indonesia to implement blockchain technology to protect academic data.

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UUniversitas Sam Ratulangi (UNSRAT) and PT Rantai Data Pintar (ChainSmart) today announced the successful implementation of a blockchain service to ensure the integrity of academic records and documents stored within the university systems at the UNSRAT campus in Manado, North Sulawesi. The ChainSmart provided service uses blockchain as a permanent audit trail of all student record updates and published academic documents.

The application of the blockchain technology allows the University to detect unauthorized changes to academic records and documents.

"Blockchain is a **single and trusted view of the truth** for all data involved in the academic process for students, from the beginning of entry to completion of their studies," said Prof. Dr. Ir. Ellen Kumaat, MSc. DEA., Chancellor of UNSRAT. "The implementation of blockchain technology is part of our efforts to improve the security quality of academic data services stored in the UNSRAT database by minimizing fraudulent attempts or undetected errors."

Blockchain is distributed ledger technology that has several unique features that makes it ideal to serve as a secure audit trail of all academic records and documents within the University. Every official document can be signed at creation and the signature can be written to the blockchain, where it becomes immutable proof of the document's content and existence. Similarly for academic records stored in a central database – a signed audit trail of each student record update can be stored in the blockchain. This permanent record on the blockchain can be used at any time to validate the integrity of academic records and documents and detect any unauthorized changes.

"We are delighted to have had the opportunity to work with the team at UNSRAT to implement one of the very first blockchain solutions at a University in Indonesia," says Paul Brisk, Director at ChainSmart. "This is a great use case for blockchain technology and is ultimately about maintaining the integrity of the University brand and ensuring the community trust in the University is not eroded through compromised academic reporting."

UNSRAT is a state university located in Manado, North Sulawesi. The successful application of blockchain technology has made UNSRAT the first university in Indonesia to adopt blockchain as one of the pillars of technology in the digital information age. This also shows UNSRAT's determination to continue to innovate towards a superior and cultured university.

ChainSmart is based in Jakarta, Indonesia and provides blockchain services and products to deliver business solutions for data management and security. We enable trustless ecosystems where exchange of information is permanent, authorized, and verified. ChainSmart is a subsidiary of PT Metrocom Global Solusi.