

CATATAN REVIEWER

Judul:

Implementation Of Mining Exploration Activities And The Implication On Bioremediation Case In Rokan Riau Block In Legal Perspectives

Oleh :

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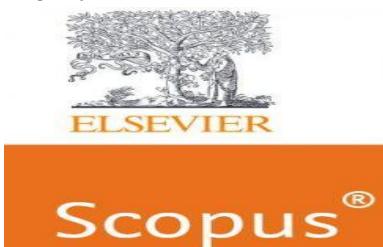
A. Tanggal Diterbitkan:

Publication date : INTERNATIONAL JOURNAL OF SCIENTIFIC & TECHNOLOGY RESEARCH VOLUME 8, ISSUE 09, SEPTEMBER 2019 ISSN 2277-8616

B. Dipublikasikan oleh:

International Journal of Scientific and Technology Research (IJSTR) is an internationally scholarly refereed research journal which aims to promote the theory and practice of sciences, technology, innovation, engineering and management. Impact Factor: 3.023 - Provided by SJIFISSN 2277-8616

C. Profil:



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Active safety systems	Interworking architecture and interoperability
Ad Hoc & Sensor Network	Knowledge based systems
Ad hoc networks for pervasive communications	Knowledge management
Adaptive, autonomic and context-aware computing	Location and provisioning and mobility management
Advance Computing technology and their application	Location Based Services
Advanced Computing Architectures and New Programming Models	Logistics applications
Advanced control and measurement	Management Theory
Agent-based middleware	Management information systems
Alert applications	Medical imaging
application specific IC's	MEMS and system integration
automotive, marine and aero-space control and all other control applications	Micro/nano technology
Autonomic and self-managing middleware	Microsensors and microactuators
Autonomous vehicle	Middleware Issues
B2B and B2C management	Middleware services and agent technologies
BioInformatics	Middleware solutions for reliability, fault tolerance, and quality-of-service
Bio-Medicine	Mobile and Wireless Networks
Biotechnology	Mobile applications
Broadband and intelligent networks	Mobile networks and services
Broadband wireless technologies	Mobile/Wireless computing systems and services in pervasive computing
CAD/CAM/CAT/CIM	Multimedia Communications
Call admission and flow/congestion control	Multimodal sensing and context for pervasive applications
Capacity planning and dimensioning	Multisensor fusion
Changing Access to Patient Information	Navigation and Guidance
Channel capacity modelling and analysis	Navigation Systems
Cloud Computing and Applications	Network Control and Management
Collaborative applications	Network management and services
Communication application	Network Measurement
Communication architectures for pervasive computing	Network Modeling and Simulation
Communication systems	Network Performance
Computational intelligence	Network Protocols
computer and microprocessor-based control	Network Sensor
Computer Architecture and Embedded Systems	Network-based automation
Computer Business	Networked vehicles applications
Computer Vision	Networking theory and technologies
Computer-based information systems in health care	Neural Networks
Computing Ethics	Neuro-Fuzzy
Computing Practices & Applications	Neuro-Fuzzy application
Congestion and/or Flow Control	Nonlinear and adaptive control
Content Distribution	Nursing information management
	On-board diagnostics
	Open Models and Architectures
	Open Source Tools

Context-awareness and middleware	Operations research
Creativity in Internet management and retailing	Optical Networks
Cross-layer design and Physical layer based issue	Optimal and robot control
Cryptography	Pattern Recognition
Data Base Management	Peer to Peer and Overlay Networks
Data fusion	Perception and semantic interpretation
Data Mining	Pervasive Computing
Data retrieval	Performance optimization
Data Storage Management	Pervasive opportunistic communications and applications
Decision analysis methods	Pervasive sensing
Decision making	Positioning and tracking technologies
Digital Economy and Digital Divide	Power plant automation
Digital signal processing theory	Programming paradigms for pervasive systems
Distributed Sensor Networks	Quality of Service and Quality of Experience
Drives automation	Quality of service and scheduling methods
DSP implementation	Real-time computer control
Economics Theory	Real-time information systems
E-Business	Real-time multimedia signal processing
E-Commerce	Reconfigurable, adaptable, and reflective
E-Government	middleware approaches
Electronic transceiver device for Retail Marketing Industries	Relay assisted and cooperative communications
Embedded Computer System	Remote health monitoring
Emerging advances in business and its applications	Remote Sensing
Emerging signal processing areas	Resource allocation and interference management
Enabling technologies for pervasive systems (e.g., wireless BAN, PAN)	RFID and sensor network applications
Encryption	Scalability of middleware
Energy-efficient and green pervasive computing	Security and risk management
Estimation and identification techniques	Security middleware
Evaluation techniques for middleware solutions	Security, Privacy and Trust
Event-based, publish/subscribe, and message-oriented middleware	Security Systems and Technologies
Evolutionary computing and intelligent systems	Sensor array and multi-channel processing
Expert approaches	Sensor fusion
Facilities planning and management	Sensors and RFID in pervasive systems
Flexible manufacturing systems	Service oriented middleware
Formal methods and tools for designing	Signal Control System
Fuzzy algorithms	Signal processing
Fuzzy logics	Signal processing in education
GPS and location-based applications	Smart devices and intelligent environments
Green Computing	Smart home applications
Grid Networking	Social and economic models for pervasive systems
Healthcare Management Information Technology	Social Networks and Online Communities
High-speed Network Architectures	Software Engineering
Human Computer Interaction (HCI)	Software engineering techniques for middleware
Human-machine interfaces	Software evolution and maintenance in pervasive systems
Hybrid Sensor	Speech interface
ICT Convergence	Speech processing
Image analysis and processing	Standards and interfaces for pervasive computing environments
Image and multidimensional signal processing	Supply Chain Management
Image and Multimedia applications	System security and security technologies
Industrial applications of neural networks	Technology in Education
Industrial automated process	Theoretical Computer Science
Industrial communications	Transportation information
Information and data security	Trust, security and privacy issues in pervasive systems
Information indexing and retrieval	Ubiquitous and pervasive applications
Information Management	Ubiquitous Networks
Information processing	User interfaces and interaction models
Information System	Vehicle application of affective computing
Information systems and applications	Verifying and evaluating middleware
Information Technology and their application	Virtual immersive communications
Infrastructure monitoring and control applications	Virtual reality
Innovation and product development	Vision-based applications
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II. Komentar Tentang *Jurnal Implementation Of Mining Exploration Activities And The Implication On Bioremediation Case In Rokan Riau Block In Legal Perspectives* sebagai berikut:

A. Tujuan & Metode Penelitian

1. Penelitian ini bertujuan untuk mengetahui tentang bagaimana menerapkan dan apa implikasi dari kegiatan eksplorasi pertambangan di Indonesia dalam perspektif hukum dengan studi kasus di PT. Chevron Pacific Indonesia (PT CPI). Dalam penelitian ini, aspek hukum penambangan yang digunakan adalah Pasal 1 Undang-Undang tentang Penambangan Mineral dan Batubara pada tahun 2009 yang berkaitan dengan, dan aspek hukum lingkungan yang digunakan adalah Pasal 40 ayat (1), Pasal 59 Ayat (4), Pasal 95 Ayat (1), Pasal 102 Undang-Undang Nomor 32 Tahun 2009 tentang Perlindungan dan Pengelolaan Lingkungan, Pasal 33 ayat (3) UUD 1945 dan Keputusan Mahkamah Konstitusi Nomor 18 / PUU-XII / 2014 tentang Pengujian Pasal 59 Ayat (4) , Pasal 95 Ayat (1), dan Pasal 102 Undang-Undang Nomor 32 Tahun 2009 tentang Perlindungan dan Pengelolaan Lingkungan menurut Undang-Undang Dasar Negara Republik Indonesia Tahun 1945 dan instrumen hukum internasional yang berkaitan dengan lingkungan.perspektif sistem hukum tentang kebijakan penyatuan harga bahan bakar (*unifying fuel pricing*) di Indonesia. Karena berbagai masalah bahan bakar di Indonesia seperti masalah hukum, penetapan harga dan memastikan pasokan, ketersediaan, dan kelancaran pasokan ke publik di pasar domestik, pemerintah wajib melakukan intervensi dalam menentukan harga bahan bakar dan pada saat yang sama menjamin ketersediaannya di pasar domestik.
2. Penelitian ini menggunakan metode yuridis normatif dan data kualitatif dan sifat penelitian ini adalah deskriptif. Metode penelitian ini menggunakan metode yuridis normatif, yaitu penelitian hukum yang dilakukan dengan memeriksa bahan pustaka atau data sekunder (Soekanto & Mamudji, 2006), dan analisisnya spesifikasi penelitian ini dilakukan dalam deskripsi,deskripsi adalah pengukuran dan pelaporan yang tepat dari karakteristik populasi atau fenomena yang diteliti

- (Babbie. 1986). Menurut Wu, Thompson, Aroian, McQuaid, dan Deatrick (2016), kunci untuk semua kualitatif metodologi adalah
3. bahwa berbagai perspektif yang menarik. Fenomena itu penting, dan perspektif itu adalah yang terbaik diturunkan secara induktif. Kemudian, sumber data yang digunakan adalah data sekunder yang mencakup bahan hukum primer (undang-undang yang memiliki kekuatan mengikat), bahan hukum sekunder (materi yang saling melengkapi), dan materi hukum tersier (dalam bentuk materi informasi hukum) yang kemudian dianalisis secara kualitatif dalam hal formulasi justifikasi melalui kualitas norma hukum itu sendiri, ahli pendapat / doktrin.

B. Inti Permasalahan Penelitian

Siklus hidup penambangan dimulai dengan eksplorasi, berlanjut melalui produksi, dan diakhiri dengan penutupan dan lahan pasca-penggunaan (Teknologi dalam Eksplorasi, Penambangan, dan Pemrosesan <https://www.nap.edu/read/10318/chapter/5>, diakses 5 Februari 2019) Dalam konteks ini, pelaksanaan penambangan kegiatan eksplorasi dapat diartikan sebagai serangkaian kegiatan untuk mencari, menambang atau mengekstraksi, memproses, memanfaatkan dan menjual mineral (mineral, batubara, panas bumi, minyak dan gas). Kemudian, kegiatan eksplorasi pertambangan memiliki implikasi positif, dapat menciptakan lapangan kerja, memacu inovasi dan membawa investasi dan infrastruktur berskala besar dalam periode waktu yang lebih lama, sebagai kontributor utama pertumbuhan ekonomi dan pembangunan nasional serta kesejahteraan sosial. Menurut statistik Bank Indonesia di PricewaterhouseCoopers (PWC) Consulting Indonesia (2018), sektor pertambangan adalah salah satu sektor utama yang mendukung pertumbuhan ekonomi Indonesia selama beberapa tahun, memberikan kontribusi signifikan terhadap PDB Indonesia dalam bentuk ekspor, pendapatan pemerintah, pekerjaan, dan pengembangan ekonomi daerah-daerah terpencil di mana operasi penambangan berada (Sesprofessionals, 2018).

Di sisi lain, menurut Kamwanje (2018), implikasi negatif dari operasi penambangan dianggap memiliki lebih banyak dampak negatif secara keseluruhan pada masyarakat daripada dampak positif. Dalam hal ini, dapat diartikan bahwa implikasi atau dampak negatif dari operasi penambangan dalam jangka panjang, kerusakan lingkungan yang ditimbulkan pada semua fase proyek penambangan, yaitu sejak saat eksplorasi, pencemaran akibat pembuangan batuan sisa dan overburden, pengolahan bijih dan operasi pabrik, pengelolaan tailing (ampas limbah atau limbah yang mengandung zat beracun), infrastruktur (akses dan energi), dapat mengubah bentuk topografi dan kondisi tanah (dampak lahan) yang dapat mengubah keseimbangan sistem ekologi untuk daerah sekitar. Dengan demikian, orang menderita karena keberadaan lubang pembuangan kotoran, keluarga yang ditinggalkan, dan lingkungan hidup yang tercemar.

C. Hasil Penelitian

Hasil penelitian adalah sebagai berikut:

1. Dalam perspektif hukum, aspek hukum pertambangan dan hukum lingkungan telah diatur dalam berbagai undang - undang dan peraturan. Misalnya sesuai dengan Pasal 1 angka 19 Undang-Undang Nomor 22 Tahun 2001 tentang Minyak dan Gas Bumi menyatakan bahwa Kontrak Kerja Sama adalah Kontrak Bagi Hasil atau bentuk lain dari kontrak kerja sama dalam kegiatan eksplorasi dan eksplorasi yang memberi manfaat lebih bagi negara dan hasilnya digunakan untuk kemakmuran rakyat yang sebesar-besarnya.
2. Aspek hukum lingkungan yang berkaitan dengan bioremediasi atau mengembalikan tanah yang terkontaminasi operasi dan eksplorasi, normalisasi fungsi tanah pascatambang, dan melakukan bioremediasi
3. diatur sesuai dengan Keputusan Menteri Lingkungan Hidup No. 128 tahun 2003 (Kepmen LH 128/2003) tentang Prosedur dan Persyaratan Teknis untuk Pengolahan Biologis dari Limbah Minyak Bumi dan Terkontaminasi Tanah oleh Petroleum. Keputusan LH 128/2003 ini mengatur peraturan terkait: (1)izin yang harus diserahkan oleh "pemilik" yang terkontaminasi tanah atau kontaminasi untuk diproses (2) konstruksi desain yang diperlukan untuk persyaratan pusat bioremediasi (3) untuk kondisi limbah sebelum diproses (4) pemantauan selama proses biodegradasi (termasuk pedoman pengambilan sampel), dan (5) persyaratan untuk relokasi lahan setelah pemrosesan terkait dengan persyaratan untuk inspeksi, relokasi dan pemantauan lahan setelah relokasi.
4. Aspek hukum lingkungan yang harus dipatuhi dalam kegiatan eksplorasi pertambangan di Indonesia semuanya berlaku peraturan dan hukum, sebagaimana diatur dalam Pasal 58 ayat (1), Pasal 59 ayat (4), Pasal 97, 98, 99, 100 dan Pasal 102 Undang-Undang Republik Indonesia No. 32 tahun 2009 tentang Perlindungan dan Manajemen Lingkungan. Menurut Rowley dan Schneider (2008: 227), hukum harus dibuat oleh legislatif, ditafsirkan oleh pengadilan, dan ditegakkan oleh cabang eksekutif pemerintah. Sejalan dengan pendapat Rowley dan Schneider, pentingnya penelitian ini adalah untuk memeriksa agenda yang sangat penting dan menjadi substansi, apakah PT Chevron Pacific Indonesia (PT CPI) telah mematuhi peraturan dan hukum yang berlaku dan peraturan di Indonesia, dan bagaimana seharusnya perusahaan bioremediasi di Blok Rokan Wilayah Riau secara hukum perspektif.
5. Implementasi dan implikasi dari Eksplorasi pertambangan PT Chevron Pacific Indonesia (PT CPI) di Blok Rokan Wilayah Riau secara perspektif hukum dapat diartikan sebagai kepatuhan perusahaan sebagai Pemegang Kuasa Penambangan dalam ketentuan Indonesia

6. Hukum dan regulasi. Kegiatan eksplorasi pertambangan di Indonesia harus dilakukan oleh industri pertambangan pada umumnya, dan PT. Chevron Pacific Indonesia (PT CPI) khususnya dalam perspektif hukum, mematuhi semua peraturan dan hukum yang berlaku di yurisdiksi Indonesia. Dengan cara ini pengelolaan limbah PT. Chevron Pacific Indonesia, yang diduga melanggar aturan UU Lingkungan Hidup, dapat dihindari. Pandangan ini sejalan dengan Abta (2006) yang menyatakan bahwa penggalian sumber-sumber kekayaan harus diusahakan dengan upaya dan strategi maksimal yang tidak merusak lingkungan dan prosedur hidup manusia perlu menggunakan teknologi ramah lingkungan dan dapat melestarikannya sehingga dapat dimanfaatkan secara berkelanjutan.