

CONTENTS

Section I: Structural Geology / Tectonics

- 3 Tectonic and Structural Development of Cenozoic Basins of Malaysia
H.D. TJIJA
- 17 The Occurrence of Thrusts in North Kedah and Perlis
ZAITON HARUN & BASIR JASIN
- 21 Joint Patterns and Structural Analysis of Pulau Bunting, Yan, Kedah
IBRAHIM ABDULLAH & CHE AZIZ ALI
- 27 Antara Mitos dan Neotektonik Bukit Putri, Terengganu
ASKURY ABD. KADIR
- 33 Geologi dan Geologi Struktur Kepulauan Tenggol, Terengganu
MOHAMAD SARI HASAN, IBRAHIM ABDULLAH, KAMAL ROSLAN MOHAMED, ASKURY ABD KADIR & CHE AZIZ ALI
- 39 Rekontruksi Tegasan Kuno di Kawasan Penjom, Kuala Lipis, Pahang Berdasarkan Data Mesoskopis Gelinciran Sesar
HERU SIGIT PURWANTO, IBRAHIM ABDULLAH & JUHARI MAT AKHIR
- 45 Synsedimentary Tectonic Control of the Permo-Triassic Central Basin Sedimentation
MUSTAFA KAMAL SHUJIB
- 51 The Olistostromes in the Bentong Area, Pahang and their Tectonic Implications
MUSTAFA KAMAL SHUJIB

Section II: Petrology / Petrography

- 59 How Geochemical Data Substantiate Findings in Lithostratigraphy with Specific Reference to Characterizing Lithodemes
HAMZAH MOHAMAD
- 67 Sempah Volcanic Complex, Pahang
NAVPREET SINGH & AZMAN ABDUL GHANI
- 73 Geochemistry of the Granitic Rocks from North of the Lawit Batholith, Besut, Terengganu
A. TAJUDDIN IBRAHIM, M. RASHID SALUKI & AZMAN A. GHANI
- 81 Hornblende Chemistry and its Application to Geobarometry of the Noring Pluton, Stong Complex, Kelantan
AZMAN A. GHANI
- 87 Tren Unsur-Unsur Surih dan Nadir Bumi Batuan Kompleks Benta, Pahang sebagai Petunjuk kepada Proses Pembentukan dan Evolusi Batuan
MOHD ROZI UMOR & SYED SHEIKH ALMASHOOR
- 97 Petrography and Mineral Chemistry of the Perhentian Kecil Syenite, Perhentian Kecil, Besut, Terengganu
AZMAN A GHANI & KAMARUL HADI ROSELEE
- 105 Field Relations and Petrochemistry of the Jeli Igneous Complex, North Kelantan: Preliminary Observations
AMAN SHAH OTHMAN, AZMAN A. GHANI & KAMARUL HADI ROSELEE
- 111 Jujukan Usia Batuan di Dalam Kompleks Benta, Pahang Berdasarkan Cirikan Lapangan dan Penentuan Usia Batuan Secara K/Ar Keseluruhan Batuan
MOHD ROZI UMOR & SYED SHEIKH ALMASHOOR

Section III: Sedimentology / Stratigraphy

- 123 Significance of Mesozoic Radiolarian Chert in Sabah and Sarawak
BASIR JASIN
- 131 Stratigraphic Position of the Rangsi Conglomerate in Sarawak
ISMAIL CHE MAT ZIN
- 137 On the Palynomorph Assemblage from the Pantu Sandstone, Kota Tinggi, Johor
UYOP SAID & CHE AZIZ ALI
- 143 Some Mid-Permian Fossils from Felda Mayam, Central Peninsular Malaysia
MASATOSHI SONE & MOHD SHAFEEA LEMAN
- 151 On the New Permian Bera Formation from the Bera District, Pahang, Malaysia
MOHD SHAFEEA LEMAN, KAMAL ROSLAN MOHAMED & MASATOSHI SONE
- 159 Aspek Paleontologi Formasi Pedawan Kawasan Batu Kitang – Bau, Sarawak
TANOT UNJAI, BASIR JASIN & UYOP SAID

- 165 Development of Mudcracks in a Partially-Dried Tropical Pond
ABDUL HADI ABD. RAHMAN
- 169 Coastal Sedimentation and Recent Coastline Changes Along the Seberang Perai Coast, Pulau Pinang
ABDUL HADI ABD. RAHMAN, MOHAMAD ZAKI IBRAHIM & YAJESH V. RAMACHANDRAM

Section IV: Conservation Geology / Geotourism

- 179 Conservation Geology: A Multidisciplinary Approach in Utilization of Earth Resources Without Destruction
IBRAHIM KOMOO
- 183 Geoart – Turning Rocks Into Art
LEE CHAI PENG
- 189 Proposed Conservation of Badak Cave C, Lenggong as Vertebrate Fossil Site Extraordinary
ROS FATMAH & YEAP EE BENG
- 197 Tourism Geoscience: A New Subdiscipline in Geoscience Education
M. D. KADDERI
- 203 The Characteristics and Origin of Some Limestone Caves in the Sungai Perak Basin
ROS FATMAH & YEAP EE BENG
- 211 Kundasang-Ranau: Dataran Warisan Ais Gunung
MARILAH SARMAN & IBRAHIM KOMOO
- 223 Pantai: Sumber Geopelancongan Berpotensi
SYAFRINA ISMAIL, IBRAHIM KOMOO & JOY J. PEREIRA

Section V: Environmental Geology

- 231 Chemical Pollution in Acid Sulfate Soils
J. SHAMSHUDDIN & S. MUHRIZAL
- 235 Landslide Hazard Zonation Mapping Using Statistical Approach
JASMI AB. TALIB
- 241 Geochemical Evaluation of Contaminated Soil for Stabilisation with Lime
BABA MUSTA & KHAIRUL ANUAR KASSIM
- 245 Heavy Metal Pollution of the Semenyih River
MUHAMMAD BARZANI GASIM, WAN NOR AZMIN SULAIMAN, MOHAMMAD ISMAIL YAZIZ, & MOHD. TADZA ABD. RAHMAN
- 249 Geological Input for the Development of the Paya Terubong-Relau Area, Pulau Pinang
CHOW WENG SUM & FERDAUS AHMAD
- 261 Perubahan Garis Pantai dan Susutan Darat: Cadangan Geoindikator Yang Berpotensi
ZAITUL ZAHIRA GHAZALI, JOY J. PEREIRA & JUHARI MAT AKHIR
- 269 Penterjemahan Maklumat Geosains untuk Perancangan dan Pengurusan Geobencana
LIM CHOUN SIAN, IBRAHIM KOMOO, JOY J. PEREIRA & SHAHARUDIN IDRUS

Section VI: Engineering Geology / Hydrogeology

- 275 Rainfall and Slope Failures in the Granitic Bedrock Areas of Peninsular Malaysia
J. K. RAJ
- 283 Physico-Chemical Properties of Graphitic Schist Soils in the Rawang Area, Selangor
TAN BOON KONG & ZULHAIMI ABDUL RAHMAN
- 287 Pencirian Geomekanik Jasad Batuan Riolit, Genting Sempah, Selangor-Pahang: Beberapa Hasil Awal
ABDUL GHANI RAHEK, ABDUL RAHIM SAMSUDIN, EUGENE YEE, RAHMAN YACCUP & UMAR HAMZAH
- 293 Preliminary Design Parameters Based on Laboratory Shear Test of Core Samples
MOHD FOR MOHD AMIN, MUSHAIRRY MUSTAFFAR & TEO KING BENG
- 299 Perkaitan Antara Saiz Butiran, Indeks Keplastikan dan Kandungan Mineral Lempung Dengan Kestabilan Cerun di Bukit Arang, Universiti Malaya, Kuala Lumpur
PHAKHRUDDIN B. ABDULLAH & AHMAD TAJUDDIN B. HI. IBRAHIM
- 305 Relict Structures and Cut Slope Failures in Highly to Completely Weathered Rocks Along Jalan Tg. Siang, Kota Tinggi, Johor
TAJUL ANUAR JAMALUDDIN & MUHAMMAD FAUZI DERAMAN
- 313 The Characteristics and Engineering Properties of Soft Soil at Cyberjaya
ROHAYU CHE OMAR & RASHID JAAFAR

Section VII: Mineral Resources

- 325 The Prospects for Hardrock Gold and Tin Deposits in Malaysia
YEAP EE BENG
- 333 Tembaga Porfiri di Pelepah Kanan, Kota Tinggi, Johor
WAN FUAD WAN HASSAN, HERU SIGIT PURWANTO & ADONG LAMING
- 339 Construction Aggregate Resources in the Federal Territory and Central Selangor
CHEONG KHAI WENG & YEAP EE BENG
- 349 Unsur Surih di dalam Pemineralan Bijih Besi Primer dan Hasil Luluhawanya di Kawasan Sungai Merbok
HABIBAH BT HI JAMIL & WAN FUAD WAN HASSAN
- 351 Relevance of Geoscience in Quarrying
KHOR PENG SEONG
- 355 Petrofabrik Batu Kapur Formasi Chuping, Perlis dan Kesannya Pada Kereaktifan Kapur
AZIMAH HUSSIN & MOHAMMAD MD TAN
- 361 Towards Sustainable Development - Indicators for the Mineral Industry
JOY J. PEREIRA & IBRAHIM KOMOO

Section VIII: Geoscience Tools and Techniques

- 369 Recent EPMA Applications in Geology and Industry
G.H. TEH
- 375 Application of Geoelectrical Resistivity Imaging for Site Investigation
ABDUL RAHIM SAMSUDIN, UMAR HAMZAH, ABD.GHANI RAFEK & RAHMAN YAACUP
- 381 Penggunaan Teknik Geofizik dan Geokimia Untuk Mencirikan Struktur Subpermukaan dan Akuifer di Sekitar Olak Lempit, Selangor
UMAR HAMZAH, ABDUL RAHIM SAMSUDIN, ABDUL RAHMAN YACCUP, RASHID BACIHK & ABDUL GHANI RAFEK
- 387 Kajian Geofizik Kejuruteraan Dalam Penentuan Satah Gelinciran di km 6, Jalan Temerloh-Mentakab, Pahang
RAHMAN B. YACCUP, ABDUL RAHIM SAMSUDIN, UMAR HAMZAH & ABDUL GHANI RAFEK
- 393 The Magnetic Anomaly Across Peninsular Malaysia Between Muar and Endau
SAMSUDIN BIN HI TAIB, JAMALUDDIN OTHMAN & NOR DALILA DESA
- 399 StereoSAR DEM for Mapping of Geological Structures in Selangor, Malaysia
NORAINI SURIP & GEOFF TAYLOR
- 405 GIS Aided Groundwater Potential Mapping of the Langat Basin
KHAIROL, A.M., JUHARI, M.A. & IBRAHIM, A.
- 411 Pemetaan Geomorfologi Bahagian Hulu Lembangan Langat Dengan Bantuan Fotograf Udara
NORHAYATI MOHD. RAWI & JUHARI MAT AKHIR
- 415 Advanced Level Geology in the United Kingdom: A New Approach by the Welsh Joint Education Committee
C. DICKINSON, C.E. BROOKS, M. BROOKS & P. LOADER
- 421 Confirmation of the Yan Magnetic Anomaly by Gravity Data
C.Y. LEE, L.C. SWEE & A.C. YEE
- 427 Geological Applications of AIRSAR/TOPSAR Data in the Tubau Area, Bintulu, Sarawak
FREDDY ANAK HEWARD CHIINTA