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Heri	match (publications) Andreas, Hasanuddin Z. Abidin, Dina Anggreni Sarsito, Irwan Meilano, Susilo. "Investigating the tectonic sidence on Java Island using GNSS GPS campaign and continuous", AIP Publishing, 2018
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Wan	% match (publications) g.Hu Sun, Li Sha Li, Shu Chen Xu. "Study on the Spirit of Place and the Spatial Representation of Tradition lement – Taking Shanghai Xinchang Old Town as Example", Advanced Materials Research, 2011
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<u>S An</u>	% match (publications) nin, S E Pramono, G F Kurniawan. "Historical park of inclusive tourism development in Semarang", IOP ference Series: Earth and Environmental Science, 2021
Teres	% match (publications) sa Wai See Ong. "Chapter 232-1 Reimaging the Art Scene in George Town, Penang", Springer Science and ness Media LLC, 2021
	% match (publications) in Kusno. "The Appearances of Memory", Walter de Gruyter GmbH, 2010
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Kiera	% match (publications) an Westley. "Refining Broad-Scale Vulnerability Assessment of Coastal Archaeological Resources, Lough Foy hern Ireland", The Journal of Island and Coastal Archaeology, 2018
Tim	% match (publications) <u>C. Jennerjahn, Antje Baum, Ario Damar, Michael Flitner et al. "Human interventions in rivers and estuaries</u> and Sumatra", Elsevier BV, 2022
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 < 1% match (publications) <u>E Trihatmoko, H Sadewa Wiguna, Juhadi, Sunarto, M Aris Marfai. "Discovering the river outlet current by using</u> <u>simple field measurement (case study of Kendal Coastal Area)", IOP Conference Series: Earth and Environmental</u> <u>Science, 2020</u>
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 R. Siti Rukayah, Endang Sri Susilo, Muhammad Abdullah, Siddhi Saputro. "EXPLORING THE POSITION OF OLD SEMARANG SEA PORT: Based on Javanese City Pattern", IOP Conference Series: Earth and Environmental Science, 2018 < 1% match (publications) Tri Astuti Wisudayati, Dian Charity Hidayat, Kresno Agus Hendarto. "Implementation of Pentahelix Collaboration Model in the Development of Government Institution's Potency as General Services Agency", Jurnal Penelitian Kehutanan Wallacea, 2020

	< 1% match (publications)
	<u>Tian Mi, Min Qingwen, Tao Hui, Yuan Zheng, He Lu, Lun Fei. "Progress and Prospects in Tourism Research on</u> <u>Agricultural Heritage Sites", Journal of Resources and Ecology, 2014</u>
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	< 1% match (publications) Heri Andreas, Hasanuddin Z. Abidin, Irwan Gumilar, Teguh Purnama Sidiq, Bambang Yuwono. "Adaptation and mitigation of land subsidence in Semarang", AIP Publishing, 2017
	< 1% match (publications) <u>R S Rukayah, A B Sardjono, M Abdullah, A M A Aziz. "Inventory of old buildings and land subsidence in Semarang</u> <u>Old Colonial City", IOP Conference Series: Earth and Environmental Science, 2021</u>
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	< 1% match (publications) <u>Muhammad Iqbal, Untung Budiarto, Kamal Zidan Hidayat, Hanif Hisyam Hernanta, Andi Trimulyono.</u> "The influence <u>of foil-shaped center bulb geometry into catamaran fishing vessels resistance", IOP Conference Series: Materials</u> <u>Science and Engineering, 2021</u>
•	< 1% match (publications) <u>Rina Kurniati, Nurini Nurini, Kusumo Dewi Diah Intan, Retno Susanti. "Historical Buildings Study in Purwodinatan</u> <u>Semarang as Urban Conservation Guidelines", IOP Conference Series: Earth and Environmental Science, 2018</u>
•	< 1% match (publications) 賀安娟. "馬六甲的旅遊: 2011年8月20-24日", 臺灣語文學系;Department of Taiwan Culture, Languages, and Literature, NTNU, .
	< 1% match (publications) Ashwini Chhatre, Shikha Lakhanpal, Satya Prasanna. "Heritage as Weapon: Contested Geographies of Conservation and Culture in the Great Himalayan National Park Conservation Area, India", Annals of the American Association of Geographers, 2016
	< 1% match (publications) H. Z. Abidin, H. Andreas, I. Gumilar, I. R. R. Wibowo. "On correlation between urban development, land subsiden and flooding phenomena in Jakarta", Proceedings of the International Association of Hydrological Sciences, 2015
	< 1% match (publications) Melissa Quetulio-Navarra, Anja Znidarsic, Anke Niehof. "Gender perspective on the social networks of household heads and community leaders after involuntary resettlement", Gender, Place & Culture, 2017
	< 1% match (publications) Wang Shudong, Guo Jingbo, Gao Guosheng. "Research of the active control for high-speed train pantograph", 200 IEEE Conference on Cybernetics and Intelligent Systems, 2008
	< 1% match (publications) Wasita Wasita. "PELESTARIAN SITUS-SITUS ARKEOLOGI DI KALIMANTAN SELATAN: MASALAH DAN SOLUSI PEMECAHANNYA", Naditira Widya, 2016
	< 1% match (publications) <u>Yingwei Yan, Chen-Chieh Feng, Yi-Chen Wang. "Utilizing fuzzy set theory to assure the quality of volunteered</u> <u>geographic information", GeoJournal, 2016</u>
	< 1% match (publications) I Akbar, H W Poerbo, W K Soedarsono. "Adaptive Urban Design Principles for Land Subsidence and Sea Level Rise Coastal Area of Tambak Lorok, Semarang", IOP Conference Series: Earth and Environmental Science, 2019
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< 1% match (pi	ublications)
	hapter 8 World Heritage Convention, Climate Change and the Arctic", Springer Science and Busines
Media LLC, 2009	
< 1% match (pi	iblications)
	<u>s, Huong T. Bui, Katsuhiro Ando. "Zoning for world heritage sites: dual dilemmas in development</u>
	cs", Tourism Geographies, 2020
< 1% match (pi	iblications)
	<u>epurposing the Built Environment: Emerging Challenges and Key Entry Points for Future Research",</u>
Sustainability, 2	
< 1% match (pi	iblications)
	H. Filiz Alkan Meşhur. "Neo-liberal urbanism and sustainability in Turkey: commodification of natur
	nity marketing", Journal of Housing and the Built Environment, 2021
-	
< 1% match (pu	
<u>Austronesian U</u>	ndressed", John Benjamins Publishing Company, 2020
< 1% match (pi	iblications)
	Yudi Eko Windarto, Jonathan Imago Dei Gloriawan, Faiz Noerdiyan Cesara. "Design of a Robot to
	Iral Soil Conditions using ESP-NOW Protocol", 2020 Fifth International Conference on Informatics
and Computing	<u>,1CTC), 2020</u>
< 1% match (pi	ublications)
阿·萨拉姆, . "第三	世界的科学与技术", 第三世界的科学与技术, 1991.
Literature Depar (Architecture De	onegoro University, Semarang, Indonesia) Email: tututrsiti68@gmail.com 2 (Indonesian tment, <u>Diponegoro University, Semarang, Indonesia) Email</u> : abdullahabah47@gmail.com 3 partment, <u>Diponegoro University, Semarang, Indonesia) Email</u> : agungbsardjono@gmail.com ngister Architecture Department, <u>Diponegoro University, Semarang, Indonesia) Email</u> :
	<u>)gmail.com Corresponding Author</u> 's <u>Email</u> : tututrsiti68@gmail.com Abstract: The article
	idea for developing a historic river area based on the spirit of place. In some countries, this
concept enables	to make historic river areas be conserved and even to become objects of tourism. Malacca
	the spirit of place as a trade city. Unfortunately, in Surabaya and Jakarta, historic river
	nning does not include the spirit of place in the past. Semarang City has implemented a
	gram in its old city area but has not yet touched its historic river and canal as a trading city enigde Oostindische Compagnie) – Company of Trade or Dutch East Indies era. Due to the
	er and land subsidence, the canal and its historic buildings are threatened to disappear. This
	ventory the buildings and spirit of the place in the past as an important step of conserving
and controlling t	he built heritage. Historical methods were used for data collection. The old photographs, old
•	leos dating back to the Dutch colonial era enabled to obtained the spirit of place as a multi-
	ort during the spread of Islam (14-15th century), a trading port for the VOC and the strategic
	vernment. Not all cities have complete documentation or even have videos of activities on
	past. The accurate inventory was an effective method for developing the historic river we research results are architectural conservation concepts that require building inventory
	ig the spirit of place before planning and designing. Keywords: Spirit of place, Semarang
-	dence, Dutch Colonial Era, Trading City. 尋找地方精神:以馬六甲為最佳做法的歷史性三寶壟河 摘
要:本文根據地方	青神描述了開發具有歷史意義的河流地區的新思路。 在某些國家/地區,此概念使歷史悠久的河流地區得以保
	業的對象。馬六甲馬來西亞體現了作為貿易城市的地方精神。在泗水,保護不包括過去河流的含義。三寶壟
	拖了一項保護計劃,但尚未將其歷史悠久的河流和運河作為VOC(Vereenigde Oostindische
	引公司或荷蘭東印度時代的商貿城市。由於潮汐洪災和地面沉降,運河及其歷史建築有可能消失。本文旨在 印精神,作為保護和控制建築遺產的重要步驟。歷史方法用於數據收集。可以追溯到荷蘭殖民時代的舊照
	机构用 16月1末走机投制进步消息压制用安花罐。燃出力法用处型援收生 미儿们分测到闭端相互特代制售脂
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Sardjono, Dhanang Respati Puguh, Annica Etenia R.Siti Rukayah, E-mail: tututrsiti68@gmail.com 。地方政府 戰略區域。並非所有城市都有完整的文檔,甚至沒有過去的河流活動視頻。準確的清單是發展歷史悠久的河流保護的有效方 法。新的研究結果是建築保護概念,需要在規劃和設計之前進行建築清單階段並找到場所精神 关键词:地方精神,三寶壟河, 地面沉降,荷蘭殖民時代,貿易城市 Introduction This paper becomes important considering that along with the city's rapid development, the development of land transportation has changed the historic river area as a forgotten cultural path. However, several conservation efforts have been carried out mainly in Indonesia such as the Palembang Musi River, the Jakarta Ciliwung River, and the Kali Mas River in Surabaya. But it was considered unsuccessful because it did not restore the spirit of place to its time [1], [2], [3]. Semarang, Jakarta and Surabaya cities have similar characteristics, they are located on the North coast of Java and have the same geological history [4]. The sedimentation problem causes the river area to become shallow so that the port is moved. This of course causes the environment to experience degradation [5]. The city of Semarang, which had been a VOC trading base in the 18th century [6], [7] with its large harbor and canals as a trade transportation route, has now lost its identity as a trading city. The efforts of the Semarang City government are quite good in developing the conservation of Semarang Old City. However, due to the serious geological problems such as subsidence [8]–[10], tidal flood [11], [12] and sedimentation [5], [13] conservation efforts have not vet touched on the historical canals and rivers. Based on historical aspects of Semarang as a maritime city, some historians have discussed this problem [14]. This paper aims to uncover the glory of Semarang in the past in terms of architecture and urban planning [15]. It also intends to reveal the spirit of place along the Semarang historical river to complement previous conservation efforts. Conservation and revitalization efforts which in the past have become the pulse of transportation for conservation of heritage areas have become a trending topic in several countries including Indonesia. Historical rivers in the neighboring countries such as Malacca in Malaysia and boat quay in Singapore [16] have become tourist attractions. Indonesia also made this effort, for example, in Ciliwung Jakarta and Kali Mas Surabaya. Semarang, which was once a pre-colonial trading center (Mataram Kingdom era) and a trading center during the VOC, used the river as a means of transportation to deliver merchandise from the inland to the port. The Semarang old city is one of the areas that have the potential for cultural and historical tourism. The issue of degradation of buildings regarding their values and functions is a challenge to spur interest in visiting cultural-based tourist destinations. Related to this, the results of a case study in Semarana Old City, Jakarta Old Town, Chinatown, and Sunda Kelapa indirectly emphasize that the issue of physical damage to buildings that affect the degradation of values has an adverse effect on the development of tourism based on cultural history [17]. However, the conservation of Semarang Old City only applies the adaptive re-use method in degraded areas. The canals designed during Dutch colonial time in Semarang City were similar to the European concept and are referred to as Venesia van Java. Until now these canals still get a touch of conservation activities. Semarang port and canal recorded the glory of Semarang as a global trading center at that time with its sugar production [18]-[20]. In the past, the rivers in Java became a transportation route for boats or large ships to the inland or kingdom [21]. There were ports of the North Coast and also on the river of the kingdom. In the Dutch era, the river also functioned to control the inland [22]. In the Dutch colonial era, the post highway and the railroad network changed the role of the river [23] [24]-[26]. This phenomenon affects the pattern of the villages which were originally oriented towards the

river [27]. The geological conditions of the North coast of Java changed from time to time. The beach moved forward by eight meters per year, and since 1847 its pace became twelve meters per year. This condition has changed Semarang group of islands into one mainland now. The river is a main historic feature and natural resource of the entire cultural landscape of the region. Compatible development projects and proper conservation measures can help maintain the visual and environmental river qualities and historic environment. Revitalization of Historic Inner-City Areas in Asia creates the potential for urban renewal in Ha Noi, Jakarta, and Manila. The urban development strategy of the Asian Development Bank (ADB) draws attention to neglected historic city centers and lost development opportunities [28]. For example, Kali Mas Surabaya revitalized the historic river and the results were very profitable [3] as well as Ciliwung Jakarta [1]]. However, it has not touched the spirit of place aspects and the risk of exposing the cultural heritage to the geological disaster of north coast of Java. The cities around the Yangtze River Delta may serve as an example of design using the spirit of place and regional non-material cultural identity. The three most representative components of the spirit of place are the historical and geographical context, the rural temple festival, and the space of daily life [30][31]. This paper outlines an empirical approach to uncovering the spirit of place and inventorying the buildings that created this spirit in the past along the Semarang River. 1 Research Methods The heuristic historical method based on the source of objects in this case was used to uncover the history of the Semarang city in the past. Similarly, the sources are in the form of archives and books as a reference. The Dutch museum now shares several images of old maps such as those from the museum of the <u>Royal Netherlands Institute of Southeast Asian and Caribbean Studies</u>. The associated Semarang Old City map is comprised of maps drawn in 1695, 1719, 1875, and 1880. Old photographs of Semarang beaches, rivers and villages in estuaries and along the rivers are very helpful in tracing the shape of buildings. Historical Video Archive of a train passing through the Kalibaru (new canal) suspension bridge Semarang, 1931 (https://twitter.com/videosejarah/status/7811240295288 91392 and the past. Field surveys were also conducted to trace the condition of the old canal and buildings. The research categorizes traces of old buildings located on the coast and river estuaries as Maritime Archeology. Maritime cultural heritage objects include ports with all the facilities (warehouses and offices), docks and shipyards, boats and ships (vessels), fire towers, buoy lights, sea fortresses, and even humans [32]. This research uses analysis of building typology in the areas along the Semarang and Malacca Rivers. Historical analysis and conclusions according to Kuntowijoyo [33] must be based on four stages: (1) heuristics or the collection of historical data that is truly valid and authentic; (2) criticism or testing the truth of the data presentation; (3) entering the realm of interpretation by discovering the essence of historical events or historical facts; (4) when the interpretation is done, the conclusions are written down. The researchers call this the historiographic stage. By carrying out reconstruction activities to finally find the city embryo's spirit of place along the Semarang River, the article aims to reconstruct the history of the city's past in the interests of urban planning in the present and future. 2 Results and Discussion The discussion below will reveal information about geological disaster, discover the spirit of place, do mapping on old buildings along the river corridor and compare it with the historic area of the Malacca River. The spirit of place in the area that is currently experiencing geological problems still requires a touch of inventory to find the right conservation concept. 2.1. The Geological Disaster along the North Coast of Java The impact of land subsidence in Java Island especially around coastal area on the northern part of the island can be seen in several forms, such as the wider expansion of (coastal) flooding areas, the cracking of buildings and infrastructure, and the increased inland sea water intrusion [34]. The causes of land subsidence are the over burden buildings and ground water extraction [13]. The data reveal significant subsidence in nine areas, including six major citie at rates up to 22 cm/year. [35]. Researchers estimate the area of tidal flood in 2030 will reach around 4,846 hectares. Sea water penetration will soak the North Semarang [36]. It has been reported for some time that coastline of Semarang is retreated [8]. These geological problems require special handling to minimize the silting process. 2.2. The Old City Conservation The twenty-first-century global warming poses a significant threat to the cultural heritage of coastal regions, but the effects of sea-level rise and changing weather patterns will not be evenly distributed. In addition, continued urban, agricultural, and industrial development concentrated in coastal areas contributes to the destruction of cultural resources. Mitigation of these threats requires rapid measures on the part of archaeologists and public land managers. Variability in coastal geomorphology, rates of relative sea-level rise, and the structure of prehistoric settlement and subsistence systems, however, produce different patterns of vulnerability [37]. With rapid economic growth, most cities experience uncontrolled development resulting in decay, especially on their historic cores. A city's historic center is the heart of its urban identity, therefore once it is abandoned, the city's identity tends to diminish, too. As a result, urban regeneration projects with a focus of urban preservation for historical city centers gain crucial importance to save this identity [38]. Malacca and George Town also have been listed as UNESCO World Heritage Sites in 7 July 2008. Although they have been greatly threatened by modern development, many of the districts or quarters in this world heritage city have developed a blueprint which signifies the importance of conserving and controlling the built heritage. [39] 2.3. Spirit of Place of the Semarang River Discussion of the spirit of place where the meaning and symbolism of the region is the meaning and symbolism of the heritage area will attract attention to the area from two different times, namely the past and the present. Therefore, in recognizing the spirit of place in the present, one must first understand the meaning and symbolism of the region in the past. Especially in considering a combination of tangible and intangible aspects of the urban context [31]. Spirit of place usually has a strong and impressive relationship between people and place where spirit also occurs in the exclusive aspect of a place [40]. The spirit problem of this phenomenon is also the spearhead in the actual heritage both in terms of landscape, building environment, as well as intangible and tangible heritage, and its authenticity [41]. In the 16th century sea adventurers described Semarang city as a bustling port city. They recorded cities such as Bantam, Calava, Cheribon, Tegal, Pecalongan, Samarang, Damma, Japara, Rembang, Touban and Surabaya. Semarang City as a trading center was mentioned in Chinese news by Mahuan since the 7th century AD. According to him, there was a rather crowded port in the north coast of Java which at that time was under the influence of the Ho-ling kingdom (Kalingga). Ships from India and Champa brought commodities, fruit, acids and charcoal from wood burning. An old sketch/painting by Johanes Racht about the city of Semarang (16th century) depicts the state of the indigenous central city of Semarang. Semarang's spirit of place in its early growth was detected by its presence on an old map of 1695. In 1468, there was a Ndarat/Darat village on the North side of the Semarang government center where foreign sailors landed and some settled until now [42], [43] [44] before the Dutch colonial government finally moved the port from the Mangkang area to this location. The physical structure of Darat Village, Melayu Village, Old Boom (1743) and New Canal (1875) settlements is a ship terminal equipped with a customs office and a fish market. The New Canal is equipped with various port facilities, such as a trading office, Dutch troop headquarters, lighthouse, Swivel Bridge, warehouses and several villa houses owned by port employees. The Marabunta Seven Warehouses are famous warehouse facilities in the New Canal area. The Dutch colonial government built a lighthouse in 1884. Until 1999 the lighthouse was still functioning well but the ground floor of the building submerged in water. Therefore, channels and dykes were made so that water does not enter the building (Insight, October 2, 1999, Lighthouse, Semarang City's Mute Witness). Due to the normalization of the Semarang River, warehouses and trading offices along the west New Canal suffered eviction, and the traces are no longer visible. Before the 1970s, Chinese ethnic rituals, known as Little Sam Poo, were held in Semarang in the Old Boom area. The Little Sam Poo procession started at the Semarang Lombok Alley Temple, and then moved along the Chinatown on Bojong Street (Pemuda Street), to Melayu Village, and ended at Old Boom [27], [45]. This tradition has now been lost. Habib (Islamic leader descended from the prophet) played a role in maintaining the continuity of Islamic traditions in Melayu Village settlements [27]. Likewise, the dugderan (the Islamic) is organized before the fasting month that reflects the multi-ethnic harmony of Javanese, Malay, Chinese and Arabic cultures by taking place in the square of the local government. PAorreta Semarang Old City New Canal Area in 14th centuries 4 3 Leg1e.nWd: illiem III Lighthouse 23.. MLaayruabruMntoasque 4. Syahbandar Tower 5. Post Office 6. Berok Bridge 7. Widya Pura Hotel 8. Kauman Mosque 9. Lawang Sewu SVeikllaagyue 9 PVeilkluadgeen 1 2 MVielllaagyeu 6 8 5 OClidty 7 Johar Market Ctohwinna Kilitan Village Fig.1 Regional Map of Semarang River Researchers concluded that the area of the meeting point of the Old River and new canal

(around the old Boom gate) was a natural landing/port and an international port of Semarang at that time. The new canal further strengthened the city image of Semarang as a VOC trading city. The existence of the port also was strengthened by the local central government (Bubakan 16th century, Gabahan (1659), Sekayu (1666) and Kanjengan (1670) which in each of their displacements continue to look for strategic locations on the river banks. Unfortunately, the spirit of place is lost because of the sedimentation process. Figure 1 explains the mapping of old villages that existed in the Dutch colonial period until now. 2.4. Western Side of the River Corridor During the kingdom of Mataram in the 8th century, the Old Semarang River served as a shipping tool to deliver teak wood for building the Demak Mosque. This river was a meeting place between multi-ethnic traders because this river was integrated with surrounding areas such as Chinatown, Melayu Village and Kauman Village (Arabic). Figure 2 shows Johar Market, Semarang Old Square, and Connectors between the Berok Bridge Colonial Settlements. Layur Mosque Berok Bridge Kauman Mosque Marabunta Post Office Johar Market Lawang Sewu Melayu Village Old Square Plampitan Sekayu Berok Bridge Village Village Fig.2 Segment Map of Buildings in Eastern Semarang River Based on Figure 2 above, the serial buildings in the area along the West River are: 2.4.1 Marabunta and Suspension Bridge Marabunta is an old building that has existed since the colonial era. It is a proof of the golden age of Semarang port, which is the place for storage and trade of sugar owned by Oei Tiong Ham. 2.4.2 Malay Village Arab ethnic descendant and part of the Chinese dominate the population of Malay Village [27] with the location being at the intersection of the Semarang river (1743) and the new Canal (1875). This area was a ship terminal where traders from various regions made their business, until finally many multi-ethnic communities settled there. 2.4.3 Layur Mosque Layur Mosque is a former lighthouse tower which was a sign that the Malay village area was once a port. The mosque which used to consist of two floors is now only one floor due to land subsidence. 2.4.4 Colonial City Facilities: Postweg Line, Post Office, Hotel, Dibya Puri Hotel Semarang Post Office (Hoofdpost-en Telegraafkantoor) is a colonial building, with its function as postal services for the benefit of the VOC and residents inside the fort. The colonial government also built the Dibya Puri Hotel in 1847 along the great post way [46]. 2.4.5 Local Central Government Area (Johar Market, Kauman Mosque, Semarang Square) The Semarang square has been around since the end of the 16th century with layouts following the standard square in Java which also has a large pavilion as the center of government [47]. The construction of the Johar Market in 1930 reduced the area of the Square east side [48]. The area of the square was cut off by the post and tram lines in the Dutch colonial period. There is a Kauman region on the West side as an Islamic village [49]. 2.4.6 Kulitan Village as a Historical Village Kulitan Village was a place for successful leather entrepreneurs to become wealthy merchants in the colonial era. But now the condition of the village underwent physical changes because of migrants who began to settle there. 2.4.7 Semarang Local Central Government in Sekayu Sekayu Village is a historical area which is full of material and non-material culture. Sekayu Village also has several characteristics of old building forms [46]. 2.4.8 Chinatown Chinatown is a community settlement of Chinese descent. Shop houses or townhouses are the physical characteristics of architecture in this area [50]. The Semawis market is another unique place of interest in this settlement, where various kinds of goods and especially food products are sold. 2.4.9 Lawang Sewu Lawang Sewu is the Headquarters of the Dutch East Indies Railroad (NIS = Nederlandsch Indische Spoorweg Maaatschappij) which was inaugurated on July 1, 1907 [51]. During the independence era the Indonesian government gave the building to PT Kereta Api Indonesia as a regional office (1994). Now the government uses this building as a tourist attraction in Semarang City [52]. 2.5 Eastern River Corridor The Dutch Colonialists built this side of the River in 1850, with the aim of building a new port in the Kalibaru area [53]. Figure 3 describes some of the old buildings that cross this Semarang river which includes: Willem III Syahbandar Old Berok Lighthouse Tower Kilitan Materan Watgadul Pekuden City Bridge Village Village Village Fig.3 Segment Map of Buildings in the Western Semarang River 2.5.1 Willem III Lighthouse The Willem III Lighthouse (established in 1884) functions as a tower to oversee port activities, as well as a guide for ships from the Java Sea. The purpose of the construction of Willem III Lighthouse at that time was to facilitate the fleet traffic of VOC ships entering the port. As a result of land subsidence and tidal flooding, the ground floor of the Willem III lighthouse tower is almost always flooded with sea water. 2.5.2 Syahbandar Tower The Dutch colonial government built the Syahbandar Tower (uitkijk) in Sleko Village Street during the industrial and agricultural distribution period (19th and 20th centuries). This tower serves to oversee ship traffic in the Semarang River near the trade office area. 2.5.3 Old City Semarang Old City has a row of heritage architectural structures as a tangible cultural heritage site. Currently Old City has carried out revitalization activities and is also in the process of being one of the World Heritage objects, by submitting itself to the World Heritage committee, an institution under UNESCO [54]. 2.6 Malacca World Heritage Site as Best Practice Malacca and George Town, historic cities of the Straits of Malacca developed over 500 years in trading and cultural exchanges between East and West in the Straits of Malacca [55]. The influences of Asia and Europe have endowed the towns with a specific multicultural heritage that is both tangible and intangible. With its government buildings, churches, squares and forts, Malacca demonstrates the early stages of this history originating in the 15th-century Malay sultanate and the Portuguese and Dutch periods beginning in the early 16th century [55]. The history of Malacca might have been started far before the arrival of Parameswara from Tanma-hsi. Malacca had already been mentioned in a Javanese poem in 1324, and it was mentioned again within a list of Siamese dependencies in 1360. The Arabs had long known this place as Malacca, or "the market". After Singapore was destroyed by Siamese forces in 1398, Parameswara escaped through Seletar River to Muar and settled down in the Bertam River for about five years. In 1402 they moved to a small fishing village up the west coast of Malay Peninsula that had a good port which was free of mangroves and a hill that could be easily defended. The place was then called Malacca. The Portuguese took control of Malacca in 1511. Malacca became a strategic base for the development of the Portuguese in the East Indies and was ruled by them for 130 years. In 1641, the Dutch got control over Malacca. However, the Dutch were not interested in making Malacca a trade center between East and West but more concerned with the development of Batavia (Jakarta) in Indonesia. The remaining artifacts of the old city, which still have some preserved human values to fill the space, and to make it a historical city, have been listed on the UNESCO World Heritage Site since July 7, 2008. 2.7 Cultural Heritage Buildings along the Malacca River The Malacca government groups this historic area into several categories according to the characteristics of the area. According to Baroldin [57] classifying several zones namely, Core Zone, and Buffer Zone. City Area Cleared Land (green zone) is a green open area that separates historic areas. The government allows the Built-Up Area (light blue zone). There are several historic buildings and attractions shown in Figure 4 below. 5 6 8 7 4 3 Legend: 12.. RMeomrtpeanhVPiallrakge Bridge 78., ASt'aFdahmuovssa Fort 34., JLaavkasaVmilalangaeStreet 56. MTaanlaKccimaWSeantegrmBrilildge 1 2 Fig.4 The Malacca River Map Malacca has its own characteristics as a conservation area [58]. Figure 5 below shows a row of old buildings along the Malacca River. Flor de Water wheel Fortress Jembatan Hang Tuah Morten Fig.5 Map Segment of Buildings on the Malacca River 2.7.1 Rempah Park It is a park that has a variety of small spices, located next to the Hang Jebat Bridge. 2.7.2 Morten Village Bridge It is a bridge located in Morten Village; a traditional Malay village located in Malacca. Morten Village is a special place to be one of the cultural heritage facilities in the Malacca World Heritage Site by UNESCO (2008), because it has its own uniqueness that is can be identified in the Malay architecture. 2.7.3 Java Village In the colonial era, the area outside the city walls was divided into sections to accommodate various ethnic groups namely Kling Village for the Indian community, Chinatown for Chinese residents and Java Village for Javanese settlers. Java Village is located in the buffer zone near the Malacca River [59]. 2.7.4 Laksamana Street It is a street in the back-alley area of the Stadhuis. Some European-style buildings surround the street. 2.7.5 Malacca Sultanate Watermill It is the largest watermill in Malaysia; its construction commenced in 2007 and was completed in 2008. The formation of the Malacca Sultanate Watermill symbolizes the glory of Malacca City. 2.7.6 Tan Kim Seng Bridge The construction of the Tan Kim Seng Bridge took place in the mid-19th century to replace the old suspension bridge [60]. This bridge connects the clock tower area (Dutch Square) to Jonker walk. 2.7.7 Stadthuys Stadthuys in Dutch means City Hall, it was built in 1650 as the office of the Dutch Governor. Stadthuys is located inside the walls of the Malacca fort and across the north gate to the fortified city. 2.7.8 A'Famosa Fort Alfonso D'Albuquerque built the A'Famosa fort in 1511. The fort itself is a gate behind the Portuguese Porta de Santiago complex, which was once a fort with four main towers. 2.8 World Heritage Listing Criteria <u>These are the most complete</u> surviving historic city centers on the Straits of Malacca with a multi- cultural living heritage originating from

the trade routes. The Criteria for listing Malacca as World Heritage are based on the Operational Guidelines 2005. Criterion (II): Malacca and George Town represent exceptional examples of multi-cultural trading towns in East and Southeast Asia, forged from the mercantile and exchanges of Malay, Chinese, and Indian cultures and three successive European colonial powers for almost 500 years, each with its imprints on the architecture and urban form, technology and monumental art. Criterion (III): Malacca and George Town are living testimony to the multi-cultural heritage and tradition of Asia, and European colonial influences. This multi- cultural tangible and intangible heritage is expressed in the great variety of religious buildings of different faiths, ethnic quarters, many languages, worship and religious festivals, dances, costumes, art and music, food, and daily life. Criterion (IV): Malacca and George Town reflect a mixture of influences which have created a unique architecture, culture and townscape without parallel anywhere in East and South Asia Semarang has similarities with Malacca because of historical aspects, heritage buildings and similarity in owning a river, but Semarang has two river estuaries that have different functions. Besides that, Semarang was once a Portuguese target to dominate after Malacca; but this target was unsuccessful because it did not produce economic benefits for them. The Netherlands then emerged because of the crowded fort as a preferred route to avoid Portuguese in Malacca. The existence of this route benefited the VOC to form a trading center. Semarang also has the potential to develop heritage areas because of the similarity of characters to Malacca. Therefore, researchers understand that UNESCO has a special purpose, because not all aspects of culture and nature are able to be approved directly to meet the potential requirements to enter the World Heritage List. If referring to the Statement of Outstanding Universal Value, 2002, which applies to the Malacca region, this paper classifies several criteria: Criterion (II): The Semarang Old River has the potential as a multi-cultural trading city, because the area is a meeting site between multi-ethnic traders such as from Chinatown, Malay Village and Kauman Village (Arabic). Criterion (III): The Semarang River area is a living witness of Asia's multi-cultural heritage and culture, as well as the Dutch colonial influence. This cultural heritage includes historic buildings in the old city area, while the intangible values appear in various traditions and worship festivals such as the Dugderan ritual crowd [61]. Criterion (IV): The Semarang River area is a reflection of a mixture of influences that has created a unique city's architecture, culture and landscape. Semarang Old River 14 Century New Canal 1872-1874 Local Central Government Port of Trade in the Colonial Era Port of Trade in the Islamic Era Multi-Ethnic Village Fig.6 The Semarang River Map Analysis Figure 6 above concludes the spirit of place in the Semarang River and new canals area. - The multi-ethnic port area in the era of the spread of Islam (14-15th century) - a trading port for VOC - Four local central government buildings which in each move were always located on the river bank - A mixture of multiethnicity with strong character as traders. 2.9 Direction of the adaptive reuse model There are heritage buildings on the Semarang River banks that have the potential to develop into heritage areas. However, the remaining buildings are almost partially or completely damaged, for example, Marabunta, and Syahbandar Tower; although Semarang City government has revitalized several old buildings in the historical area. The buildings have adopted the concept of adaptive reuse. Adaptive reuse is a process to modify or change something to replace the function with a new function by abandoning the old function [62]. Adaptive reuse is a good solution in reviving obsolete buildings to accommodate the latest needs of users as well as being environmentally friendly [63]. Transplanting is a remodeling type that is right for both building conditions [64]. 3 Conclusion 3.1 Conclusions The historical and geographical context, festivals, and space of daily life are the three most representative components for spirit of place. Based on its history, the Semarang River at that time became a bustling port. According to the serial old map, it was revealed that there were bustling port layouts consisting of Pabean, local government area, Chinatown, European Settlement, Malay Village, Java Village, Mosque, Temple and others. Several villages and the port still exist along the Semarang River (Figures 2 and 3). Malay, Arab and Indian traders at that time built the Malay village with the natural port in 1400. Based on the geography of Semarang city, according to some historians, there were already quite an active trade and maritime relations between China and Java around 1416. Based on spatial aspects, the uniqueness of the Semarang river shows the traces of four former local central governments. These four traces of central government along the Semarang River prove that the river was a main transportation line from inland to the port. Based on the aspects of tradition, the diversity of Chinatown architectural culture with its Chinese architecture, Kauman Village with its Islamic Architecture, the Old City with its colonial buildings, and Malay Village also prove that this area once had a landing place for sailors from various nations. Malacca is a good example in implementing revitalization, both the physicality of buildings and spirit of place until the Malacca region becomes a successful heritage tourism destination and in accordance with UNESCO World Heritage Listing Criteria. Based on the excavation of the field and building inventory and spirit of place, Semarang City has the same potential to conserve river areas as in Malacca. Historical aspects, geographical layouts, and traditions that still exist are taken into combined consideration of the tangible and intangible aspects in the urban context. The Spirit of place findings along the Semarang river, as a multiethnic port area in the time of the spread of Islamic Religion (14-15th century), a trading port for the VOC, and a local central government offices, have a strong relationship and become an exclusive aspect of a place [40]. This Spirit of place finding is a historical river landscape that forms the basis for conservation development in terms of intangible and tangible heritage, as well as the authenticity. Many of old buildings and canal facilities need inventories to be made as blueprint which signifies the importance of conserving and controlling the built heritage. 3.2 Recommendations There are coastal areas along the coastline in Indonesia that were once recorded as cities of the World port at the time, including Semarang City. The progressive sedimentation and tidal flood processes in Semarang City are very threatening to damage the coastal area and the silting rivers which were a means of transportation for large boats in the past. As a result, some objects of cultural heritage as artifacts are very vulnerable to damage. The inventory of buildings and traditions along the river will strengthen conservation and revitalization efforts in the area based on the spirit of place concept. There is a similarity between the Semarang River and Malacca, which involves their physicality (river width and character) and historical roots as a city in the 13-15th centuries. The uniqueness of the Semarang is determined by a historical space along the river that is associated with the growth of the city which started from the crowded port to the local central government. It is very important for the government to conserve the Semarang river and port as a historical river corridor. Using Malacca as best practice does not close the possibility to develop this region into a heritage area or even a world city heritage. Acknowledgment The authors thank the anonymous referees for their constructive feedback. This research was supported through the funding from Engineering Faculty, Universitas Diponegoro for funding the research with Contract Number 145/UN7.5.3.2/HK/2020 and the Ministry of Research and Technology 2020, research scheme applied research grants with Contract Number 257-91/UN7.6.1/PP/ 2020. References [1] NIKMAH S. K. Studi Sungai Ciliwung Pengabaian Pemerintah Terhadap Eksistensi Penduduk Pinggir ungai: Wajah Pengelolaan Sungai di Indonesia. Jakarta: International NGO Forum on Indonesian Development, 2010. [2] INGGAR R. Strategi revitalisasi kawasan kalimas di surabaya utara. 2017. [3] RAYI I. and IDAJATI H. Identifikasi Potensi dan Masalah dalam Revitalisasi Kawasan Sungai Kalimas di Surabaya Utara Inggar. J. Tek. ITS, 2017, 6(2): 526-528. [4] VAN BEMMELEN R. Geology of Indonesia Vol-IA General. Government Printing Office, 1948. [5] SOEDARSONO, Kondisi geologi dan geomorfologi kaitannya dengan degradasi lingkungan di kota semarang (Geology and geomorphology condition related to environmental degradations in Semarang City). J. Lingkung. Sultan Agung, 2012, 1(1): 29-41. [6] LAUDER M. R. and LAUDER A. F. Maritime Indonesia and the Archipelagic Outlook Some reflections from a multidisciplinary perspective on old port cities in Java. Wacana, Journal of the Humanities in Indonesia, 2016, 17(1): 97– 120. http://doi.org.10.17510/wacana.v17i1.428 [7] YULIATI. Kejayaan Indonesia Sebagai Negara Maritim (Jalesveva Jayamahe). Jurnal Pendidikan Pancasila dan Kewarganegaraan, 2014, 27(2): 129-134. http://dx.doi.org/10.17977/jppkn.v27i2.5523 [8] SURIPIN and HELMI M. The lost of Semarang coastal areas due to climate change and land subsidence. International Conference on Coastal Delta Areas, 2015, 1(1): 98–108. [9] WIDADA S., SAPUTRA S., and HARIADI. Determination of Soft Lithology Causes the Land Subsidence in Coastal Semarang City by Resistivity Methods. IOP Conference Series: Earth and Environmental Science, 2018, 116(1) : Article ID 012092. http://doi.org/10.1088/1755-1315/116/1/012092 [10] ABIDIN H. Z., ANDREAS H., GUMILAR I., SIDIQ T. P., and FUKUDA Y. Land subsidence in coastal city of Semarang (Indonesia): Characteristics, impacts and causes. Geomatics, Natural Hazards Risk, 2013, 4(3): 226-240. [11] PRATIKNO N. S. and WIWANDARI H. Pengaruh Genangan Banjir Rob Terhadap Dinamika

Sosial Ekonomi Masyarakat Kelurahan Bandarharjo, Semarang. Jurnal Teknik PWK (Perencanaan Wilayah Kota), 2014, 3: 312–318. [12] NOVA I., <u>MURYANI C</u>., and <u>RINTAYATI P. Analisis Sebaran, Dampak Da</u> <u>Adaptasi Masyarakat Terhadap Banjir Rob Di Kecamatan Semarang Timur Dan Kecamatan Gayamsari Kota</u> Semarang. GeoEko, 2017, 3(2): 145–156. [13] HADI S. P. In Search for Sustainable Coastal Management Case Study of Semarang, Indonesia. IOP Conf. Series: Earth and Environmental Science 2017, 55: Article ID 012054, [14] YULIATI D. Strenghtening Indonesia National Identity Through History Semarang as a Maritime Indonesia, IOP Conf. Series: Earth and Environmental Science 2017, 55: Article ID City : a Medium of Unity in Diversity. Humanika, 2013, 18(2): Article ID 40179. https://media.neliti.com/media/publications/500 9-EN-strengthening-indonesian-national-identity-throughhistory-semarang-as-a- maritim.pdf [15] RUKAYAH R. S. and ABDULLAH M. The Glory of Semarang Coastal City in the Past, Multi-Ethnic Merchants and Dutch Commerce. J.ournal of <u>Southwest Jiaotong University</u>, 2019, 54(6): 1-9. <u>https://doi.org/10.35741/issn.0258-2724.54.6</u>.42 [16] MAULIANI L., NURHIDAYAH, and MASRUROH F. Kajian konservasi kawasan bantaran sungai studi kasus: boat quay singapura dan sungai ciliwung jakarta. Nalars: 2012: 63–76. [17] WASKITO S. and PURWO E. Potensi Daya Tarik Wisata Sejarah Budaya. Seminar Nasional Riset Manajemen & Bisnis 2017 "Perkembangan Konsep dan Riset E-Business di Indonesia, 2017. [18] KUNIO Y. <u>Oei Tiong Ham Concern : The First Business Empire of Southeast Asia</u> Introduction. <u>Southeast Asian Studies, 1989</u>, 27(2): 137–155. [19] APRILIAWATI N. Perkembangan Bisnis Gula Oei Tiong Ham, 2010. [20] LING L. T. Raja Gula Oei Tiong Ham. Penerbit Liem Tjwan Ling, 1979. [21] PRAYITNO B. and QOMARUN Q. Morfologi Kota Solo (Tahun 1500-2000). Dimens. (Jurnal Teknik Arsitektur), 2007, 35(1): 80-87. [22] ASNAN G. Sungai-Sungai Di Sumatera Dalam Catatan Perjalanan Dan Laporan Penelitian Pada Masa Kolonial. Kementerian Kebudayaan dan Pariwisata Konferensi Nasional Sejarah IX, 2011. [23] SAIDI A. I. Jalan Raya Sebagai Desain Kebudayaan. Jurnal Sosioteknologi, 2010, 9(19): 769–781. [24] NAS P. and PRATIWO. Java and De Groote Postweg, La Grande Route, the Gre Pos. Journal of the Humanities and Social Sciences of Southeast Asia and Oceania, 2002, 158: 707–725. https://doi.org/10.1163/22134379-90003763 [25] HARTATIK D. E. S. Dari Jalan Pesisir Menjadi Jalan Raya Pantura (Sejarah Jalan Raya di Pantai Utara Jawa Tengah Abad XX). [FROM COASTAL ROAD TO RAYA PANTURA ROAD (XX Century History <u>of the</u> Highway <u>on the North Coast of</u> Central <u>Java</u>)]. PhD Thesis, 2016. [26] TOER P. A. <u>Jalan Raya Pos, Jalan Daendels. Lentera Dipantara, 2005</u>. [27] SUSANTO D. Pola strategi dakwah komunitas habaib di kampung melayu semarang. Dimas, 2014, 14(1): 159-185. [28] STEINBERG F Revitalization of Historic Inner-City Areas in Asia. Phlippines: Asian Development Bank, 2008. [29] PRAMONO I. B., SAVITRI E., DONIE S., BASUKI T. M. et al. Restorasi DAS Ciliwung. Surakarta: Penerbitan dan Pencetakan UNS (Anggota IKAPI), 2016. https://www.forda- mof.org/files/Restorasi\_DAS\_Ciliwung\_oleh\_Ir fan\_Budi,dkk.pdf [30] SUN W.H., LI L.S., XU S.C. Study on the Spirit of Place and the Spatial Representation of Traditional Settlement - Taking Shanghai Xinchang Old Town as Example. Advanced Materials Research, 2011, 374-377: 1676-1679. https://doi.org/10.4028/www.scientific.net/AM R.374-377.1676 [31] RIFAIOGLU M. & ŞAHIN GÜÇHAN, N. Property Rights as a Source for Identifying and Conserving the Spirit of Place. <u>MEGARON (Yıldız Technical University, Faculty of Architecture E-Journal</u>), 2013, 8(<u>3</u>): 137–148. <u>https://doi.org/10.5505/megaron.2013</u>.61687 [32] UTOMO B. B. Warisan Bahari Indonesia. Jakarta: Yayasan Pustaka Obor Indonesia, 2016. [33] KUNTOWIJOYO, Metodologi Sejarah. Tiara Wacana Yogya, 1994. [34] <u>ANDREAS H., ABIDIN, H. Z., SARSITO, D</u>., MEILANO, I. and SUSILO, S. <u>Investigating the Tectonic</u> <u>Subsidence on Java Island using GNSS GPS Campaign and Continuous</u>. AIP Conference Proceedings, 2018, Article ID 020091: 1-11. https://doi.org/10.1063/1.5047376 [35] CHAUSSARD E., AMELUNG F., ABIDIN, H. Z. and HONG S. Sinking cities in Indonesia : ALOS PALSAR detects rapid subsidence due to groundwater and <u>gas extraction. Remote Sensing of Environment, 2013, 128: 150–161. [36] BAKTI L.M. Kajian Sebaran</u> Potensi Rob Kota Semarang dan Usulan Penanganannya. Universitas Diponegoro, 2010. [37] REEDER-MYERS L. A. Cultural Heritage at Risk in the Twenty-First Century : A Vulnerability Assessment of Coastal Archaeological Sites in the United States. Journal of Island and Coastal Archaeology, 2015, 10(3): 436-445. https://doi.org/10.1080/15564894.2015.1008074 [38] ERTAN T. and EGERCIOGLU Y. The Impact of UNESCO <u>World Heritage List on Historic Urban City Centers and Its Place in Urban Regeneration : The Case of Melaka ,</u> Malaysia and Tire, Turkey. Procedia - Social and Behavioral Sciences, 2016, 216: 591-602. https://doi.org/10.1016/j.sbspro.2015.12.031 [39] HARUN S. N. and ISMAIL I. The Conservation Plan For World Heritage Site: George Town, Penang and Malacca, Malaysia. Proceedings of the 1st International Conference on Rebuilding Place: From Culture to Art and Architecture, University Kuala Syiah, Banda Acheh, Indonesia, October 4, 2011 [40] NAJAFI M., KAMAL M., and MOHD B. The Concept of Place and Sense of Place in Architectural Studies. International Journal of Social, Behavioral, Educational, Economic, Business and Industrial Engineering, 2011, <u>5</u>(8): 1054–1060. [41] MARKEVIČIENE J. The spirit of the place problem of (re)creating. Journal of Architecture and Urbanism, 2012, 36(1): 73-81. [42] RUKAYAH R., PUGUH D. R., SUSILO E. S., and INDRASWARA M. S. Local Wisdom of the Native Settlement as A Main Gate in the Northern Axis of Javanese City Center in Semarang. IOP Conference Series: Earth and Environmental Science, 2018, 152(1), Article ID 012032. https://doi.org/10.1088/1755-1315/152/1/012032 [43] RUKAYAH R., SUSILO E. S., and ABDULLAH M. Semarang Kota Pesisir Lama. Yogyakarta: Tekno Sain, 2018. [44] JOE L. T. <u>Riwayat Semarang:Dari Djamannya Sam</u> Po Sampe <u>Terhapoesnya</u> Konkoan. Semarang: Boekhandel Ho Kim Yoe, 1933. [45] LIEM,T. J. Riwayat Semarang. Hasta Wahana, 2004. [46] <u>EVANSYAH, E.,</u> and DEWI, S.P. . Kebertahanan Kampung Tua Sekayu Terkait Keberadaan Mal Paragon Di Kota Semarang. Jurnal Ruang, 2014, 2(1): 301–310. [47] TIO J., Kota Semarang dalam Kenangan. Semarang, 2004. [48] PRASETYO K. Pengembangan Hotel Inna Dibya Puri Sebagai City Hotel Di Semarang. Jurnal Desain Arsitektur IMAJI, 2014, 3(3): 299-308. [49] YULIANA K. and KURNIATI R. <u>Upaya Pelestarian Kampung Kauman</u> ebagai Kawasan Wisata Budaya. Jurnal Teknik PWK (Perencanaan Wilayah Kota), 2013, 2(2): 208–222. [50] SUDARWANI M. M. Karakter Visual Kawasan Pecinan Semarang. Majalah Ilmiah Universitas Pandanaran, 2010, 8(18): 1-20. [51] HARYADI D. Upaya Perlindungan Benda Cagar Budaya Lawang Sewu Semarang. Keadilan Progresi, 2011, 2(1): 55–68, [52] MARYATI I., RUKAYAH, S. and SUDARWANTO, B. Lawang Sewu Semarang Dalam Persepsi Masyarakat. Teknik, 2015, 36(1): 54–60. https://doi.org/10.14710/teknik.v36i1.8395. [53] BUDIMAN A., Semarang Riwajatmoe Doeloe. Semarang: Tanjung Sari, 1978. [54] <u>PRABOWO B. N</u>. and <u>HARSRITANTO B. I. Kota Lama Semarang Menuju Status</u> Pusaka Dunia Unesco: Apa Itu Status World Heritage? Modul, 2018, 18(1): 51-53 https://doi.org/10.14710/mdl.18.1.2018.51-53. [55] WILIAMS T. Melaka and 2010World Heritage Status. Conservation and Management of Archaeological Sites, 2010, 12(3): 197–208. https://doi.org/10.1179/175355210X128385837 75301 [56] UNESCO. Decisions Adopted At the 32nd sion of the World Heritage Committee. UNESCO World Heritage Centre, Quebec City, Canada, 2008. [57] BAROLDIN N. M. and DIN S. A. M. Documentation and Conservation Guidelines of Melaka Heritage Shophouses. Procedia - Social and Behavioral Sciences, 2012, 50: 192-203. https://doi.org/10.1016/j.sbspro.2012.08.027 [58] PURWANTIASNING A. W. Kajian Revitalisasi Pada Bantaran Sungai Sebagai Upaya Pelestarian Bangunan Tua Bersejarah Studi Kasus: Kawasan Malaka Malaysia. Proceedings of <u>Simposium Nasional Teknologi Terapan</u>, 2015: 1-11. [59] WAHID N. A., LEE Y. L., KAMALUDDIN N. A. et al. Restoring 'genus loci' in Kampung Jawa, Historic City of Melaka Buffer Zone. Proceedings of the 11th International Congress of Asian Planning Schools Association, 2011: 1–12. [60] HAO L. W. The History of Melaka's Urban Morphology. https://www.academia.edu/24325333/The\_Histo ry\_of\_Melakas\_Urban\_Morphology [61] BUDIMAN M. A. Semarang Tradition: Dugderan. 2013, pp. 69–75 [62] <u>BULLEN P</u>. A. <u>Adaptive reuse and sustainability of commercial buildings. Facilities, 2007, 25(1–2): 20–</u> 31. [63] LATHAM D. Creative Reuse of Buildings: Volume One. Routledge, 2016. [64] BOLLACK F. A. Old buildings, new forms: new directions in architectural transformations. Monacelli Press, 2013. 参考文獻: [1] NIKMAH S. K.對Ciliwung河的研究,政府對河岸存在的無知:印度尼西亞河流管理的面貌。雅加達:國際非政府組織印尼發展論壇, 2010。 [2] INGGAR. R.泗水北部卡利馬斯地區的複興戰略。 2017。 [3] RAYI I.和IDAJATI H.查明英格加北部 泗水卡利 馬斯河地區復興的潛力和問題。工程杂志ITS, 2017,6(2):526-528。 [4] VAN BEMMELEN R.印度尼西亞 《 Vol-IA總論》。政府印刷局,1948。 [5] SOEDARSONO,與三寶壟市環境退化有關的地質和地貌條件(與三寶壟市環境 退化有關的地質和地貌條件)。 J.鄰居。阿貢蘇丹(Sultan Agung ), 2012, 1(1): 29–41。 [6] LAUDER M. R.和 LAUDER A. F.印度尼西亞海事及群島前景從多學科角度對爪哇舊港口城市的一些思考。话语,印度尼西亞人文雜誌, 2016, 17(1): 97–120 。 http: //doi.org.10.17510/wacana.v17i1.428 [7] YULIATI。<u>印度尼西亚作为海上</u> 国<u>家的</u>荣耀(Jalesveva Jayamahe ) 。潘卡斯拉公民教育杂志, 2014 , 27 ( 2 ) : 129-134 。 http://dx.doi.org/10.17977/jppkn.v27i2.5523 [8] SURIPIN和HELMI M。由于气候变化和土地 沉降,三宝垄沿海地区

的损失。国际沿海三角洲地区会议,2015,1 (1):98-108。[9] WIDADA S., SAPUTRA S.和HARIADI。用电阻率法 确定软岩性导致三宝垄沿海地区土地沉降。 IOP会议系列:地球与环境科学,2018,116(1): 文章ID 012092. http://doi.org/10.1088/1755-1315/116/1/012092 [10] <u>ABIDIN H. Z., ANDREAS H., GUMILAR I., SIDIQ T.</u> P.和<u>FUKUDA Y</u>.沿海城市三宝垄(印度 尼西亚)的地面沉降:特征,影响和成因。地理信息学,自然灾害风险,2013, 4 (3): 226-240。[11] PRATIKNO N. S.和WIWANDARI H.抢劫洪水淹没对三宝垄Bandarharjo村社区的社会经济动态 的影响。DWIC工程力主(培主区域规划)。2014—2: 212-212 [12] NOVA L. MUDYANL C 印刷NTAYATL PRITE (3) 226 240。[11] HAHIANO H. 3.H. WIWANDAHI H. BAJ (2019) 至2019 至2019 [2019] 至1919 至2019 [2019] 至1919 55:商品ID 012054, [14] YULIATI D.通过历史加强印尼的民族认同三宝垄作为一个海上城市:多元化的统一媒介。《人 类》, 2013, 18 (2):文章ID40179。https://media.neliti.com/media/publications/5009-ZHxirengthening-indonesian-national-identity-through-history-semarang-as-a-maritim .pdf [15] RUKAYAH R. S. 和ABDULLAH M.过去三宝 荃沿海城市的荣耀,多民族商人和荷兰商业。 <u>1.西南交通大学学报</u>, <u>2019</u>, <u>54</u>(<u>6</u>) : 1-9。 <u>https://doi.org/10.35741/issn.0258-2724.54.6</u>.42 [16] MAULIANI L., NURHIDAYAH和MASRUROH F.对河岸地区的保护研究,案例研究:新加坡船码头和雅加达慈利旺河。纳拉尔: 2012年: 63-76岁。 [17] WASKITO S.和 岸地区的保护研究,案例研究:新加坡船码头和维加达慈利吐河。纳拉尔:2012年:63-76岁。[17]WASKITO S.和PURWO E.文化史旅游的潜在吸引力。2017年全国管理与商业研究研讨会"印度尼西亚电子商务概念与研究的发展,2017。
[18]KUNIO Y. Oei Tiong Ham关注:东南亚第一个商业帝国简介。东南亚研究,1989,27(2):137-155。[19]APRILIAWATI N.制糖业务发展Oei Tiong Ham,2010。[20]LING L. T.糖王大中火腿。出版社Liem Tjwan Ling,
1979。[21]PRAYITNO B.和QOMARUN Q.独奏城市形态(1500-2000年)。Dimens。建筑工程学报,2007,35
(1):80-87。[22]ASNAN G.苏门答腊河在殖民时期的旅行记录和研究报告中。文化旅游部第九届全国历史会议,
2011。[23]SAIDI A. I.道路作为一种文化设计。社会科学学报,2010,9(19):769-781。[24]NAS P.和
PRATIWO。Java和拉格兰德路线,大邮件路,Jalan Raya Pos。东南亚和大洋洲人文社会科学学报,2002,158: https://doi.org/10.1163/22134379-90003763 [25] HARTATIK D. E. S.,从沿海路到潘图拉高速公路 707-725。 (中爪哇省北海岸的二十世纪高速公路历史)。[从沿海路到RAYA PANTURA路(中爪哇省北海岸高速公路的二十世纪历史)]。博士学位论文,2016。[26] TOER P. A.邮政公路,丹德尔斯路。迪潘塔拉灯笼,2005。[27] SUSANTO D.三宝 垄马来村哈拜卜社区的达瓦战略模式。迪马斯(Dimas),2014,14 (1): 159–185。[28] STEINBERG F.振兴亚洲历史悠久的内城区。菲律宾:亚洲开发银行,2008。[29] <u>PRAMONO I. B., SAVITRI E., DONIE S., BASUKI T. M</u>.等。 七里翁流域修复。泗水:UNS的出版和印刷(IKAPI成员), 2016 。https://www.forda-mof.org/files/Restoration\_DAS\_Ciliwung\_oleh\_Irfan\_ Budi,dkk.pdf [30] SUN W.H., LI L.S., XU S.C.传统聚落的地 域精神与空间表征研究-以上海新场古镇为例。先进材料研究, 2011, 374-377: 1676-1679。 https://doi.org/10.4028/www.scientific.net/AMR.374-377.1676 [31] RIFAIOGLU M.和ŞAHINGÜÇHAN, N.财产 权是确定和维护地方精神的来源。 MEGARON (耶尔兹技术大学,建筑学院电子期刊), 2013,8 (3): 137-148。 https://doi.org/10.5505/megaron.2013.61687 [32] UTOMO B. B.印度尼西亚海洋遗产。雅加达:印度尼西亚人名印格· 火炬图书馆印度尼西亚, 2016。[33] KUNTOWIJOYO,历史方法论头哈珈珈语语,1994。[34] <u>ANDEAS H.</u> ABIDIN, H.Z., <u>SARSITO, D</u>., MEILANO I.和SUSILO, S.使用GNSS GPS运动和连续调查了爪哇岛的构造沉降AIP会 议录, 2018 , 文章ID 020091 : <u>1-11 。https://doi.org/10</u>.1063/1.5047376 [35] <u>CHAUSSARD E., AMELUNG</u> 
 E. ABIDIN, H.Z. 和HONG S. 印度尼西亚下沉城市: ALOS PALSAR检测到由于地下水和天然气开采而导致的快速沉降。

 环境遥感, 2013, 128: 150-161。[36] BAKTI L.M.三宝垄抢劫潜力的分布及处理建议。堤防五郎大学, 2010。[37]

 REEDER-MYERS L. A.二十一世纪的文化遗产面临风险:美国沿海考古遗址的脆弱性评估。海岛与海岸考古学报, 2015, 10 (3): 436-445。

 https://doi.org/10.1080/15564894.2015.1008074

 [38] ERTAN T.和EGERCIOGLU Y.<u>W</u>
 合国教科文组织世界遗产名录对历史悠久的城市中心及其在城市再生中的地位的影响:马来西亚马六甲和土耳其提尔。普罗迪 亚-社会与行为科学, 2016, 216: 591-602。 <u>https://doi.org/10.1016/j</u>.sbspro.<u>2015.12</u>.031 [39] HARUN S. N. ISMAIL I.世界遗产保护计划和: <u>马来西亚槟城和马六甲的</u>乔治市。 2011, 10(4), 第一届重建场所国际会议论文集:从 文化到艺术与建筑,瓜拉谢亚大学,印度尼西亚班达阿奇[40] NAJAFI M., KAMAL M.和MOHD B。建筑研究中的场所概念 和场所感。国际社会,行为,教育,经济,商业和工业工程杂志,2011,5(8): 1054-1060。[41] MARKEVIČIENE J. 这个地方的精神-(重新)创造的问题。建筑与城市主义杂志,2012,36(1):73-81。[42] <u>RUKAYAH R., PUGUH</u> <u>D. R., SUSILO E. S</u>.和<u>INDRASWARA M. S</u>.本地居民的智慧,作为三宝垄爪哇市中心北轴的大门IOP会议系列:地球与环 境科学, 2018, 152 (1), 文章ID 012032. <u>https://doi.org/10.1088/1755-1315</u>/152/<u>1</u>/012032 [43] RUKAYAH R., SUSILO E. S.和ABBULLAH M. Semarang, 一个古老的沿海城市。日惹:科技科学, 2018。[44] JOE L. T.历史三宝垄:从从其贾曼三宝奏佩佩塔波什尼亚孔古安: Boekhandel Ho Kim Yoe, 1933。[45] LIEM, T。 J.三宝 垄的历史。 Hasta Wahana, 2004。[46] EVANSYAH, E.和DEWI, S.P.。村大亚塞卡尤关于三宝垄市百丽宫购物中心的 存在。太空杂志的生存问题,关于三宝垄市百利宫购物中心的存在。太空杂志,2014,2(1):301-310。[47] TIO J., 三宝垄市的回忆。三宝垄,2004年。[48] PRASETYO K.酒店开发因那迪比亚城堡作为三宝垄的城市酒店。 IMAJI建筑设计 学报,2014,3(3):299-308。[49] YULIANA K.和KURNIATI R.努力将甘榜考曼三宝垄为文化旅游区保留为文化旅游 学报,2014,3 (3): 299-308。[49] YULIANA K.和KURNIAII R.努力将日榜考曼二宝垄为文化旅游区保留为文化旅游 区。PWK 工程杂志(城市区域规划),2013,2 (2): 208-222。[50] SUDARWANI M. M.三宝垄唐人街的视觉特 征。潘达纳兰大学科学杂志,2010,8 (18): 1-20。[51] HARYADI D.为保护拉旺·塞乌三宝垄。进步正义中的文化遗产 而付出的努力。进步正义,2011,2 (1): 55-68,。[52] MARYATI I., RUKAYAH,S and SUDARWANTO, B. 拉旺·塞乌三宝垄在公众视野市。亚洲计划学校协会第11届国际大会论文集,中。工程,2015,36 (1): 54-60。 2011: 1-12。https://doi.org/10.14710/teknik.v36i1.8395。[60] HAO L. W.马六甲城市形态史。[53] BUDIMAN A.,三宝垄里瓦杰莫杜洛。三宝https://www.academia.edu/24325333/The\_History\_of\_垄: 丹绒莎丽丹戎莎丽, 1978。 Melakas\_Urban\_Morphology [54] PRABOWO B. N.和HARSRITANTO B. I.三[61] BUDIMAN M. A.三宝垄传 统: Dugderan 。宝垄迈向<u>世界遗产地位的</u>旧城<u>区联合国教科文组织</u>2013, 69–75。 :什么是世界遗产地位? 模块, 30. Ddgdefall : <u>宝主应问[4766] 2012</u>[1] (2017] (2018] (2013); (2017); (2017); (2018] (2013); (2017); (2018] (2018); (2018] (2017); (2018] (2018); (2018) https://doi.org/10.1179/175355210X12838583775301 [56] UNESCO。世界遗产<u>委员会第三十二</u>届<u>会议通过</u>的决 定。联合国教科文组织世界遗产中心,加拿大魁北克市,2008。[57] BAROLDIN N. M.和DIN S. A. M.马六甲遗产商店的 文件和保护指南。普罗迪亚-社会与行为科学 , 2012 , 50: https://doi.org/10.1016/j.sbspro.2012.08.027 [58] PURWANTIASNING A. W.为保护旧有历史建筑而对河岸进行的 振兴研究,案例研究:马来西亚马六甲地区。全国应用技术研讨会论文集,2015: 1-11。[59] WAHID N. A., LEE Y. L., KAMALUDDIN N. A.恢复"属基因座"爪哇村马六甲缓冲区历史城 R.Siti Rukayah et al.: In Searching the Spirit of Place: Historic Semarang River with Malacca as Best Practice R.Siti Rukayah et al.: In Searching the Spirit of Place: Historic Semarang River with Malacca as Best Practice R.Siti Rukayah et al.: In Searching the Spirit of Place: Historic Semarang River with Malacca as Best Practice R.Siti Rukayah et al.: In Searching the Spirit of Place: Historic Semarang River with Malacca as Best Practice R.Siti Rukayah et al.: In Searching the Spirit of Place: Historic Semarang River with Malacca as Best Practice R.Siti Rukayah et al.: In Searching the Spirit of Place: Historic Semarang River with Malacca as Best Practice R.Siti Rukayah et al.: In Searching the Spirit of Place: Historic Semarang River with Malacca as Best Practice R.Siti Rukayah et al.: In Searching the Spirit of Place: Historic Semarang River with Malacca as Best Practice R.Siti Rukayah et al.: In Searching the Spirit of Place: Historic Semarang River with Malacca as Best Practice R.Siti Rukayah et al.: In Searching the Spirit of Place: Historic Semarang River with Malacca as Best Practice R.Siti Rukayah et al.: In Searching the Spirit of Place: Historic Semarang River with Malacca as Best Practice R.Siti Rukayah et al.: In Searching the Spirit of Place: Historic Semarang River with Malacca as Best Practice R.Siti Rukayah et al.: In Searching the Spirit of Place: Historic Semarang River with Malacca as Best Practice