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NCORRECT ED PROOF 474 she manages to develop courses on geography of tourism, tourism planning, 475 tourism environment and marine tourism. Her research focuses on ecotourism, 476 urban tourism and waterfront tourism. She received her Ph.D. from University of 477 Waterloo, Canada and recently published in Asia Pacific Journal of Tourism 478 Research published by Routledge, 2014.

479 Resti Meliani is Junior Lecturer in the Department of Forest Resources 480 Conservation and Ecotourism, Faculty of Forestry, Bogor Agricultural University 481 (IPB). She is assigned to the Outdoor Recreation and Ecotourism Division, and is a 482 member of the teaching team for several undergraduate program courses, i.e.,

483 Outdoor Recreation and Ecotourism, Conservation Education, and Nature 484 Interpretation. Her research focuses on the educational aspects of tourism development in Indonesia. 486 Abdul Lah Mohamad is currently Associate Professor at the Department of 487 Recreation and Tourism, Faculty of Forestry Universiti Putra Malaysia.

He obtained 488 his Ph.D. from University of Aberdeen and has since pursued his career and research 489 interests in the area of park and recreation management. He has conducted and 490 managed various researches, concentrated in park management, the relationship 491 between tourism and local community, including native people and tourism in 492 protected areas.

493 Endang Kustati Sri Harini Muntasib is Professor in the Department of Forest 494 Resources Conservation and Ecotourism, Faculty of Forestry, Bogor Agricultural 495 University (IPB). She teaches various undergraduate and graduate program courses 496 related to tourism, such as Outdoor Recreation and Ecotourism, Nature 497 Interpretation, Conservation Education, and Ecotourism.

She is the Head of the 498 Outdoor Recreation and Ecotourism Division, and her research focuses on tourism 499 development in Indonesia. 500 Jordan Napitupulu hails from Indonesia. He did his Bachelor's in Business and 501 Master's in Business Administration from James Cook University. He is currently 502 based in Jakarta.

503 Arissetyanto Nugroho is the Rector of the Mercu Buana University, Jakarta, 504 Indonesia where he teaches management. His research focuses on hospitality and 505 tourism marketing. 506 Aknol Kriistian Pakpahan is Lecturer in the Department of International 507 Relations, Parahyangan Catholic University, Bandung, West Java, Indonesia, where 508 he teaches courses on international politics and economics.

His research focuses on the strategic development of community-based small business and entrepreneurship. Jenny Panchalis is Lecturer in tourism at James Cook University in Singapore. She worked in the resort industry before obtaining her Masters in Tourism Management at Victoria University of Wellington, New Zealand and Ph.D.

in Tourism at James Layout: T1 Standard Book ID: 339521 1_En Book ISBN: 978-981-10-1716-2 Chapter No.: FM 1 Date : 18-6-2016 Time: 6:00 pm Page: 16 /19 xvi Editors and Contributors Editor Proof **UNCORRECT ED PROOF** Ahmad Shuib, Ph.D. is Professor in the Institute of Agricultural and Food Policy Studies, Universiti Putra Malaysia, 43400 UPM Serdang, Selangor, Malaysia, and his research focus includes responsible rural tourism network in Malaysia.

Janfry Sihite is the Head of Future Lab Indonesia where he is developing the capabilities of data analysis on social network application. He is currently a Ph.D. candidate at the University of Indonesia. Sulhaini is Associate Professor in Faculty of Economic and Business, Mataram University Lombok Indonesia.

She is a Doctor of Philosophy of Marketing, and teaches International Marketing. Her marketing research encompasses relationship marketing, export behavior, brand origin knowledge tourism marketing, and Islamic marketing. Norzuwana Sumarjan, Ph.D

is Senior Lecturer and the Head of Graduate Studies at the Department of Hotel and Tourism Management at Universiti Teknologi MARA, Malaysia. She graduated with her doctoral degree (Ph.D.) from Iowa State University, United States. Her research interests are in the area of hospitality quality management.

She has published her work in several international journals and conference proceedings. Arzyana Sunkar is Assistant Professor in the Department of Forest Resources Conservation and Ecotourism, Faculty of Forestry, Bogor Agricultural University (IPB). She teaches courses on Outdoor Recreation and Ecotourism, and Protected Area Management.

Her research is on protected area management, conservation sociology, community empowerment, and karst and cave management. K. Thirumaran is Senior Lecturer specializing in tropical tourism issues. He worked in the tourism and hospitality industry before pursuing his doctorate at the National University of Singapore.

His research interests include cultural tourism, 578 policy and destination marketing. 579 Trianasari is Lecturer at Diploma 3 Hotel Program at the Faculty of Economics 580 and Business of Ganesha University of Education. Her research interests are 581 tourism and hospitality service management, CSR, and business ethics.

She teaches 582 business ethics, management, and other hotel/hospitality related subjects. 583 Agus tinus Walans end ow is Senior Lecturer at Business Administration 584 Department, Manado State Polytechnic, where he teaches business project, business 585 statistics, Organizational Behaviour, Operational Management.

He is a candidate of 586 doctor of Economics at Sam Ratulangi University, Manado, Indonesia. 587 H. Wee currently served as Senior Lecturer at Faculty of Hotel and Tourism 588 Management, University of Technology MA RA, Malaysia at Puncak Alam 589 Campus. Her major field of study is tourism management. She is currently at the 590 final stage of completing her doctoral study.

Layout: T1 Standard Book ID: 339521_1_En Book ISBN: 978-981-10-1716-2 Chapter No.: FM 1 Date : 18-6-2016 Time: 6:00 pm Page: 18 /19 xviii Editors and Contributors Editor Proof Metadata of the chapter that will be visualized in SpringerLink Book Title **Balancing Development and Sustainability in Tourism Destinations** Series Title Chapter Title Tweeting and Retweeting Tourism and Airline Service Attributes Copyright Year 2016 Copyright HolderName Springer Science+Business Media Singapore Corresponding Author Family Name Nugroho Particle Given Name Arisetyanto Prefix Suffix Division Department Management Organization Mercu Buana University Address Jakarta, Indonesia Email arissoehardjo@yahoo.com Author Family Name Sihite Particle Given Name Janfry Prefix Suffix Division Department Management Organization Mercu Buana University Address Jakarta, Indonesia Email janfry_sihite@yahoo.com Abstract **Online sales for business trips in Indonesia have increased during 2008–2013 from 2.55 trillion to 26.54 trillion rupiahs.**

This development is supported by increasing numbers of social network users who convey their experiences in Indonesia, which includes the rise of low-cost airlines, using social media, such as Twitter, to promote the tourism experience in Indonesia. These developments have not been deeply explored in academic research; in particular, there is a lack of research examining low-cost airlines and their use of social media. Therefore, we take an inductive approach using qualitative and quantitative analysis methods (mixed method) for this research.

Gathering primary data from the Twitter account @Citilink from the **fourth Quarter of 2014** (October, November, December) and the **first quarter of 2015** (January, February,

March), we have extracted the data, preparing it for processing using the Mixed Method Proval is Research software. There were 2194 tweets from fourth quarter of 2014. After cleaning the data, 992 tweets were excluded from the analysis.

The data were further categorized into 821 tweets and 381 retweets. Of the 1724 tweets from first quarter of 2015, 436 tweets were excluded from the analysis; the remaining tweets were further categorized into 588 tweets and 436 retweets.

Exploratory factor analysis was conducted and the findings show that the @Citilink Twitter account delivered five service attributes, including (1) routes, (2) quizzes and ticket promotions, (3) call center information, (4) tourism destination exposure, and (5) Citilink promotional gimmicks for the netizen (Twitter followers). Furthermore, the n words paired t test to compare the tweet and retweet data found that @Citilink preferred other service attributes to retweet, compared with the service attribute tweet.

The retweets (netizen tweets forwarded by the @Citilink twitter administrator) often show the service attributes of on-time airline performance and airline smooth landings. The smooth landing is an innovative and distinctive service attribute that is proposed for the potential customer when compared with the other service attributes from the @Citilink account.

These findings show the advantage of using exploratory factor analysis to construct and discover the relationships and motives within the unstructured dataset. Keywords (separated by '-') Low-cost airline service - Citilink - Qualitative quantitative analysis - Twitter - Retweet preference U NCORRECT ED PROOF 1 Chapter 31 2 Tweeting and Retweeting Tourism 3 and Airline Service Attributes 4 Arisset yanto Nugroh o an d Jan fry Sihit e 5 Abstr act Online sales for bu siness tri ps in Indones ia have increased during 2008 – 6 2013 from 2. 55 trilli on to 26.54 trillion rupia hs.

This develo pment is suppor ted by 7 incre asing numbe rs of social network users who convey thei r experiences in 8 Indones ia, which incl udes the rise of low -cost airlines , using socia l medi a, such as 9 Twitter , to promote the tourism exp erience in Indones ia. The se develo pments have 10 not b een deeply explor ed in academ ic resear ch; in particula r, there is a lack of 11 resear ch examining low-cos t airlines a nd their use of social media. The refore, we 12 take an inductive approac h using quali tative and quantitat ive an alysis methods 13 (mixed met hod) for this research.

Gat hering prim ary data from the Twit ter account 14 @Citi l ink from the fourt h Quarter of 2014 (October , November , Dece mber) and the 15 ? rst quarter of 20 15 (Janua ry, February , March), we ha ve extracted the data, 16 prepar ing it for proces

sing using the Mixed Method Provalis Research software. 17 There were 2194 tweets from fourth quarter of 2014. After cleaning the data, 9218 tweets were excluded from the analysis.

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The smooth landing is an innovative and distinctive service attribute that is proposed for the potential customer when compared with the other service attributes from the @Citilink account. A. Nugroho (&) _ J. Sihite Department Management, Mercu Buana University, Jakarta, Indonesia e-mail: arissoehardjo@yahoo.com J. Sihite e-mail: janfry_sihite@yahoo.com Layout: T1 Standard Book ID: 339521_1_En Book ISBN: 978-981-10-1716-2 Chapter No.:

31 Date : 18-6-2016 Time: 7:44 am Page: 34 1/351 © Springer Science+Business Media Singapore 2016 A. Sau? et al. (eds.), *Balancing Development and Sustainability in Tourism Destinations*, DOI 10.1007/978-981-10-1718-6_31 341 Editor Proof UNCORRECTED PROOF 32 These findings show the advantage of using exploratory factor analysis to construct and discover the relationships and motives within the unstructured datasets.

34 Keywords Low-cost airline service _ Citilink _ Qualitative quantitative analysis _ 35 Twitter _ Retweet preference 36 37 Introduction 38 Indonesia's current consumption is growing enormously and becoming one of the dominant elements driving economic growth when compared to government spending and investment from private companies.

Projections of Indonesia's economy show an increasing trend of consumption along with the growth of both the Indonesian middle-class and the percentage of the population that is under 30 years of age. Until the year 2020, the population of Indonesians that are under 30 years old will reach 47% of Indonesia's total population (Accentur 2012).

Both the under 30 and the middle-class demographics are the target customers for a variety of products and services in Indonesia. Along with the growth of the Indonesian purchasing power, the airline service demand is also growing (Darmawan and Wandebori 2013). Data on the number of trips from 2008 to 2013 show that the number of arrivals (inbound) and departure (outbound) users of airlines in Indonesia is increasing significantly (UNWTO 2015). The online airline sales trend in Indonesia has also increased from 2008 to 2013 (UNWTO 2015).

In 2013, the online airline sales in Indonesia had risen to 2.654 trillion rupiah, up from 2.55 trillion rupiah in 2008. The percentage of online airline ticket sales is also the largest proportion of online travel sales when compared to online agency travel sales, tour operator sales, and accommodations sales in Indonesia.

The growth of airline services is supported by mobile Internet technological developments and social network applications. Social network applications such as Facebook, Twitter, and Instagram provide access for users to interact and exchange information, photos, and videos that deliver remarks about the users' respective tour experiences and tourism in Indonesia.

The social network users show high enthusiasm for airline service and have put two airlines, which are Air Asia (1.028.686 followers) and Garuda Indonesia (861.847 followers), among the top accounts with the largest number of Twitter followers for Indonesian companies (Socialbakers 2015).

As the number of mobile Internet users in Indonesia has increased from only 989.100 in 2008 to 90.831.400 users in 2013 (ITU 2014), the number of Twitter followers for the airline companies will continue to increase with the rapid growth in mobile Internet users.

High demand growth for airline services also increases the intensity of competition, giving birth to a new category of low-cost airlines (low-cost carriers) like Lion Air, Air Asia, and Citilink. These airlines offer reduced services, such as meals, baggage facilities, and seat space, in comparison with full service carriers AQ1 342 A.

Nugroho and J. Sihite Layout: T1 Standard Book ID: 339521 1_En Book ISBN: 978-981-10-1716-2 Chapter No.: 31 Date : 18-6-2016 Time: 7:44 am Page: 34 2/351 Editor Proof **UNCORRECTED PROOF** Garuda Indonesia. This phenomenon is consistent with the predictions of ICAO 73 (International Civil Aviation Organization) and IATA (International Air Transport Association), which show that airline industry competition in the Asia Pacific region will be more stringent for a low-cost airline in Indonesia because the majority of the airline companies (14 of 17) are low-cost airlines (OECD 2014).

While social network applications will play an important part in the customer decision-making process affecting low-cost airline customers, the research parsing the phenomenon of social networking as a marketing communications channel, online marketing platform for products and services, and tourism and travel is still undeveloped (Virginia Phelan et al. 2013).

Given this background, additional research on a low-cost airline service using the social network Twitter as a marketing communications channel for the customer is required. The lack of the literature on low-cost airlines in Indonesia is a reason to conduct fundamental research exploring tweets that will uncover patterns (Powell and Dodd 2007) of low-cost airline service attributes in Indonesia.

Review Literature Indonesian Airline Industry The Airline Industry is a service industry, which means that service satisfaction is connected with overall marketing activities to meet the expectations of the customer. These marketing activities begin with delivering service offerings to the customer through the process of fulfilling promises.

The services consist of the price (cost), the development of new routes, the plane, the queue in the airport, an interesting promotion, and the ease of moving between airlines in cooperation with a network of airlines (Driver 1999). The entire process is a holistic unity of services the customer values in the decision-making process (Aksoy et al. 2003).

However, along with the start of low-cost airlines, price competition has become the main attribute that the company delivers. A meta-analysis of the factors that influence passenger loyalty in the low-cost airline space shows that the low-cost airline focuses on low prices (Akamavi et al. 2015).

Furthermore, the word cloud is needed to visualize the dominant words in the

empirical research that are selected in the Journal of Tourism Management and 103 discover that the costs, services, and low fares are the keywords that characterize the 104 main principles of the low-cost airline. 105 The phenomenon of low-cost airlines is in contention with whether the airline 106 can offer more beneficial service to its customers.

Fundamental research is needed 107 to uncover low-cost airline service attributes so that the industry participants, 108 government, and academia can understand the low-cost airline industry. 31 Tweeting and Retweeting Tourism and Airline Service Attributes 343 Layout: T1 Standard Book ID: 339521 _1_En Book ISBN: 978-981-10-1716-2 Chapter No.:

31 Date : 18-6-2016 Time: 7:44 am Page: 343/351 Editor Proof **UNCORRECTED PROOF**
109 Social Network 110 The airline delivers its service offerings to customers via social networking channels. 111 Social networking is becoming an effective and efficient tool in building 112 impressions, creating the presence, and connecting companies with customers 113 (Virginitia Phelan et al. 2013).

Social networking develops responsive interactions 114 between various parties in the online ecosystem and encourages interaction between 115 prospective customers and companies, between prospective customers, between the 116 candidate and the company's customers, the product and service supplier companies, and between the company and the supporting product and service companies.

118 While Twitter is a social network application, which has been utilized for 119 marketing activities since 2008 (Bulearca and Bulearca 2010), Twitter 120 microblogging is popular and has been growing since 2006 (Sakaki et al. 2010). 121 Twitter users can create tweets (messages or comments) with a limit of 140 characters, follow activity on other accounts (follow), and receive tweets generated by 123 another account (Kwak et al. 2010).

Twitter is growing rapidly, which is reflected in 124 the number of tweets that Indonesian Twitter users generate. Indonesian Twitter 125 users account for 4.9% or 19 million tweets per day of total tweets throughout the 126 world (Wibisono and Faruqi 2013); therefore, the Citilink tweet research is 127 essential.

128 Research Position 129 Exploratory research on the low-cost airline Citilink service attributes is new in 130 Indonesia. Earlier studies such as Open Skies research policy of Citilink 131 (Nurhendarni et al. 2015), the research on revenue management (Lupiyoadi and 132 Putra 2014) strategy analysis, and research conducted by

(Darmawan and Wandebori 2013) propose a strategy to improve the Citilink market share by not focusing the research on the service attributes of the low-cost airline.

This project is an inductive research that examines Citilink marketing activities from the Twitter tweet @Citilink. The tweet data are open access data collected from @Citilink. The corpus (textual documents) of tweets are delivered by Citilink during the period from October, November, December 2014 to January, February, March 2015 and are collected for further processing and analysis.

Research Method This is an exploratory research study that extracts data using a collection of tweets from a Twitter social networking account. A sampling of tweets from the fourth quarter 2014 (October, November, December) and first quarter 2015 (January, February, March) are used. We will be able to show the company's marketing activities through the use of a six-month data interval. The tweets from the @Citilink are unstructured data, therefore data preparation is needed before analysis (Silver and Lewis 2014).

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Data preparation consists of four stages of the process, which are the stages of inputting data descriptions, cleaning and transforming the data, stemming and lemmatization, and developing a dictionary. Next, we use a cluster analysis technique, or the analysis of textual data with great numbers, to complete the EFA.

Cluster analysis shows the dimensions of different tweets that can aid researchers in interpreting these dimensions (Campbell et al. 2011). We use mixed method research software in this research because it offers exploratory techniques that show the relationship between keywords with the co-occurrence method (Silver and Lewis 2014). The values we use in this measurement are based on the degree of similarity.

The higher the index of similarity, the narrower the distance of the keywords within the text (Chung and Lee 2001). **On the other hand**, the lower the index of similarity, the wider the distance of the keywords within the text. The dendrogram offers visualization of an element in the unit of analysis.

The coefficient value for this measurement is the Jaccard coefficient; values close to 1.0 indicate the close relationships of the elements in the unit of analysis (Lewis and Maas 2007). Analysis The primary data from the Twitter account @Citilink from the fourth quarter 2014 (October, November, December) and the first quarter 2015 (January, February, March) are extracted and prepared for processing using the Provalis mixed method research software analysis.

There are 2194 tweets from fourth quarter 2014. After cleaning the data and excluding 992 tweets from the analysis, we further categorize these data into 821 tweets and 381 retweets. Of the 1724 tweets from first quarter 2015, after cleaning the data and excluding 700 tweets from the analysis, we further categorize these data into 588 tweets and 436 retweets. Table 31.1 details the data preparation process. Table 31.1

Data interval	Oct, Nov, Dec 2014 (4th Q)	Jan, Feb, March 2015 (1st Q)
Data extracted	2194	1724
Data excluded	992	700
Total data processed	1202	1024
Type of data	Tweet Retweet	Tweet Retweet
Data processed	821 381	588 436
Source Data process	31 Tweeting and Retweeting	Tourism and Airline Service
Attributes	345	Layout:
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After preparing the data, exploratory factor analysis is employed to discover the attributes of the tweets and retweets from @Citilink in the given period. This research method will be able to define the brand identity using these attributes (Sevin 2014) and develop relevant measurement in terms of the company's strategic goal. The selected attributes also support the statement by Kietzmann et al. (2012) and Pitt et al.

(2007) that the brand personality and brand identity can be analyzed with the social network application research approach. We then conduct exploratory factor analysis using the data and categorizing it into four quadrants, which are the tweets for the fourth quarter 2014, the tweets for the first quarter 2015, the retweets for the fourth quarter 2014 and the retweets for the first quarter 2015.

The separation based on the interval and the type of tweet will benefit from further analysis; furthermore, the separation will show the distinctive online brand personalities in cyberspace (Opoku and Hinson 2006). The result of the Exploratory Factor Analysis in using the four quadrants is in Fig. 31.1.

The Exploratory Factor Analysis of the @Citilink tweets for the fourth quarter

2014 shows that the tweet attributes are the promotion program Citilink Shield (the 190 travel insurance), Citilink SF (Sounds Fair Concert), Boarding Pass (Hotel discount), Hotel (Hotel Discount), Citilink Dekat Di Hati (which encourages the follower to use the tweet hashtag # citilinkdekatdihati).

The @Citilink delivers Quiz, Surprise Activity, Activation and promotes Ticket promotions to engage with the 194 follower. Furthermore, the @Citilink delivers information about the company's 195 Public Relations activities, the Citilink Application for the smartphone user, and the 196 Citilink Route. Finally, the @Citilink account delivers Gimmick and the Tourism 197 experience to the follower.

198 The quadrant of tweets for the fourth quarter 2014 shows that there are 14 199 attributes and 7 diverse direct clusters which are the Activation and Gimmick (similarity Fig. 31.1 Dendrogram (Jaccard coefficient of similarity index). Source Data process 346 A. Nugroho and J. Sihite Layout: T1 Standard Book ID: 339521 1_En Book ISBN: 978-981-10-1716-2 Chapter No.:

31 Date : 18-6-2016 Time: 7:44 am Page: 346/351 Editor Proof UNCORRECTED PROOF 200 index 0.231), Boarding Pass and Hotel (0.212), Ticket and Route (0.186), Company 201 Relation and Citilink Shield (0.136), and Citilink SF and Quiz (0.126). The higher 202 similarity index shows that there are higher similarities between the two cluster 203 attributes in the data.

The analysis states that in the tweet data for the fourth quarter 204 2014, the cluster Activation, and Gimmick (0.231) has a higher similarity when 205 compared to the cluster Citilink SF and Quiz (0.126). 206 The Exploratory Factor Analysis of the @Citilink retweets for the fourth quarter 207 2014 reveals that the retweet attributes are Citilink Dekat Di Hati, Hidden Ticket (a hidden ticket game that encourages the follower to interact and guess the game), 209 and finally the Ticket promotion.

The retweets also deliver the Gimmick toward the 210 follower to improve the proximity between the @Citilink account and the follower. 211 Furthermore, the @Citilink account delivers follower satisfaction and endorsement 212 toward the airline industry's main attributes which are Smooth Landing, Smooth 213 Take Off, and On-Time Performance.

As three of the main attributes are clustered, 214 the follower also delivers varieties of Thank You Citilink wishes and service satisfaction. Finally, there are many 215 retweets from the First Timer Flight experience of 216 the follower. 217 The quadrant of retweets for the fourth quarter 2014 shows that there are nine 218 attributes and

three direct clusters which are the Citi link dekat di hati and Ticket 219 (Similarity index 0.504), Smooth Landing and Smooth Take Off (0.370), and 220 Gimmick and Thank You Citi link (0.233).

The analysis states that in the data 221 retweets for the fourth quarter 2014, the cluster Citilink dekat di hati and Ticket 222 (0.504) have higher similarities when compared to the cluster Gimmick and Thank 223 You Citi link (0.233). 224 The Exploratory Factor Analysis of the @Citilink tweets for the first quarter 225 2015 shows that the @Citilink data can be used to develop many promotional 226 programs for the potential customer.

The attributes are Boarding Pass, Hotel, 227 Citilink Dekat Di Hati, Indosat Snap With Citilink (Indosat Citi link Co Program), 228 Bicycle (proposing a bicycle gift and free luggage benefit). The @Citilink also 229 delivers Quiz, Surprised Activity, Activation, and proposes Ticket promotions to 230 engage the follower.

The @Citilink also delivers the varieties of Thank You 231 Citilink wishes and service satisfaction. Furthermore, the @Citilink account 232 delivers information about the company's Public Relations activities and the 233 Citilink Route. Finally, the @Citilink delivers Gimmicks and Tourism experiences 234 that are geared toward the follower.

235 The quadrant of tweets for the first quarter 2015 show that there are 13 attributes 236 and three direct clusters which are Quiz and Tourism (0.493), Boarding Pass and 237 Hotel (0.304) and Activation and Surprise (0.256). The analysis shows in the tweet 238 data for the first quarter 2015, the cluster Quiz and Tourism (0.493) has a higher 239 similarity when compared with the cluster Activation and Surprise (0.256).

240 The Exploratory Factor Analysis of the @Citilink retweets for the first quarter 241 2015 reveals that the retweet attributes are Citilink Dekat Di Hati, Indosat Snap 242 With Citi link, Hidden TixId, and Ticket promotion. The retweet also delivers 243 Gimmicks toward the follower to improve the proximity between the @Citilink 244 account and the follower.

The follower also delivers variations of Thank You 31 Tweeting and Retweeting Tourism and Airline Service Attributes 347 Layout: T1 Standard Book ID: 339521 **1_En** Book ISBN: 978-981-10-1716-2 Chapter No.: 31 Date : 18-6-2016 Time: 7:44 am Page: 347/351 Editor Proof **UNCORRECTED PROOF** 245 Citilink wishes and service satisfaction, follower satisfaction, and endorsement 246 toward the airline industry main attributes of Smooth Landing and On-Time 247 Performance.

248 The quadrant of retweets for the first quarter 2015 shows that there are eight 249 attributes and three direct clusters which are Citilink dekat di hati and Indosat snap 250 with Citilink (0.311), Gimmick and Smooth Landing (0.198), and Hidden ticket and 251 Ticket (0.184). As in the retweet data for the first quarter 2015, the analysis shows 252 the clusters Citilink dekat di hati and Indosat snap with Citilink (0.311) have higher 253 similarities when compared with the cluster Hidden ticket and Ticket (0.184).

254 Tweet Analysis 255 The exploratory factor analysis findings support the statement that route, ticket 256 proposition, and interesting promotion programs are the airline service offerings 257 (Driver 1999). The route and ticket proposition are the main service attributes for 258 the airline. Furthermore, the research discovers varieties of interesting promotion 259 programs targeting the potential market such as the Quiz.

The Quiz is a tool that 260 influences customer engagement (Vinerean et al. 2014), delivers incentive to 261 interact with the community of followers, and influences customer purchasing 262 behavior, referral behavior, influence value, and knowledge value.

263 The Gimmick the @Citilink Twitter account delivers explains the phenomena of 264 human behavior or symbolic interaction in the social network application. This 265 symbolic interaction is necessary to develop intimacy and proximity from the 266 Twitter account to the customer. The application itself is a technology that should 267 deliver the human behavior symbolic interaction to extend the self as human (Rader 268 2009).

This is the advantage of the social network application for a brand because 269 human behavior or symbolic interaction is necessary in the social network application. 270 Rapid and responsive platforms better support interaction and the development of 271 the human behavior symbolic interaction when compared with conventional media, 272 such as newspapers, magazines, television, and radio.

273 The Tourism attribute in the tweets of @Citilink explains that the travel industry 274 is closely related to tourism. The tweets deliver exposure to varieties of tourism 275 destinations in Indonesia and encourage inbound travel to Indonesia. The airlines' 276 main service is supporting mobilization from point to point, which is related to 277 geography; therefore, the @Citilink account promotes a variety of point to point 278 airline tickets.

279 Retweet Analysis 280 The retweet exploratory factor analysis discovers that Smooth Landing and 281 On-Time Performance analogically compare to aesthetic innovation of service 348 A. Nugroho and J. Sihite Layout: T1 Standard Book ID: 339521 **1_En Book ISBN: 978-981-10-1716-2** Chapter No.: 31 Date : 18-6-2016 Time: 7:44 am Page: 34 8/351 Editor Proof **UNCORRECTED PROOF** 282 attributes for a high end technology product such as airplane technological innovation (Eisenman 2006).

These service attributes can influence the decision-making 284 process of the customer, even though these service attributes are not an instrumental 285 benefit from the airline. 286 The Thank You Citilink attribute from the retweet exploratory factor analysis is 287 a means to deliver customer feelings; therefore, the company should analyze the 288 context of the comment to better understand customers' feelings (Pullman et al. 289 2005).

The @Citilink retweet of a follower's tweet mentioning the @Citilink 290 account to promote himself uses the airline service attributes in cyberspace. This 291 mode of electronic word of mouth influences the decision-making process of the 292 potential customer. 293 Finally, the research shows that while the @Citilink has a retweet preference 294 toward select main attributes, the airline does not retweet all the tweets mentioning 295 the @Citilink account. Instead, the @Citilink focuses on the retweet preference, 296 which are Smooth Landing and On-Time Performance.

The Smooth Landing is an 297 innovative and distinctive service attribute proposed for the potential customer 298 when compared with the other service attributes from the @Citilink account. The 299 findings show the advantages of conducting text analysis is to construct and discover 300 the relationships and motives within the dataset (van Perlo-ten Kleij 2004).

301 Conclusion and Implication for Future Research 302 The tweets and retweets in the @Citilink account have different attributes, and this 303 research shows that the tweets of @Citilink delivers tourism exposure experience 304 while the retweet preferences are the airline service attributes that target the twitter 305 followers.

The mixed method research method is used to explore the brand identity 306 developed by the company with exploratory factor analysis, while the four quadrant 307 distribution based on processing the data also develops the reliability of the 308 exploratory factor analysis. 309 Future research should compare the tweets delivered that mention @Citilink 310 within the same period to be able to define the intended brand identity and the 311 perceived brand image in the eyes of the beholder (Marchi

et al. 2011).

312 Furthermore, future research should make a scale development that takes inter-
313 media ries such as travel agencies that promote the perceived experience of the
314 destination into consideration (Vicol and Zait 2014). Further research should 315
develop the method to combine the tweet and the photo delivered in the tweet 316
because the photos could deliver experiential and affective qualities of the place 317
(Pan et al. 2014).

Finally, when the top companies use social network applications 318 seriously compared
with other medium-sized companies (Dzyaloshinsky and 319 Pilgun 2015), the
use of social networking applications will be more intense, which 320 will lead to an
improvement over the current research methodology. 31 Tweeting and Retweeting
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